

The 50 MHz DX Bulletin

Volume 9, Issue 8

August 1998

ISSN 1073-1024

The 50 MHz DX Bulletin was founded by Harry Schools K3HS. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA or to P O Box 762, Menlo Park, CA 94026 USA. My Internet address is frank@horizon.sri.com. The bulletin may be freely quoted, provided that credit is given.

Transequatorial Openings Begin

August ushered in frequent openings from Africa to the MidEast and Europe and from South America to the U.S. Gulf states and Europe. In addition, just as the month drew to a close A45ZN in Oman worked into Okinawa and the Marshall Islands, paths north of the geomagnetic equator.

August was a pretty good month for Sporadic E as well with MUFs getting up into the two meter band on occasion. August 1 and 16 were two such occasions in Japan. August 9 and 15 two meters opened in Europe. August 15 two meters opened in the USA.

Then there was the aurora of August 27, with signals being heard as far south as the SF Bay area. W7s & VEs reported S9 signals, but they were scant decibels above the noise here in mid-W6.

W4CLM/mm and W1LP/mm added some spice to the mix, with the former working the mainland from CM08 and BM98 on August 11, and the latter working Es from EK and EJ grid fields and tropo up the coast from otherwise unavailable water grids CM6x, CM7x and CN6x, CN7x. As I write this he is in CM86 on his way to LA, where he will depart September 3rd to the Panama Canal and then the Gulf coast.

SMIRK Has New URL

While searching at the last minute for SMIRK contest logs, I found that SMIRK is now at <http://www.smirk.org>. Unfortunately the log forms were posted only in binary formats (Word Perfect and Word documents).

Leonids Shower, November 1998

I thought readers might be interested in the following communication from COMNAVSPACECOM, Dahlgren, VA. Meteor ping jockeys, of course, may pick up some new grids and/or states on 144 MHz. 222 MHz should fare well too. The more adventurous might even try 432 MHz.

Six meter operators should be aware of the increased possibility of wide-spread Sporadic-E due to the deposition of meteor "dust" in the E-region. Said dust consists largely of atoms that are easily ionized and when ionized have a relatively long lifetime (compared to the natural constituents).

1. This message is to heighten your awareness and discuss preparations for the November 1998 and 1999 Leonid meteor storms.
2. Each November, the earth crosses the path of the comet

Temple-Tuttle. As the earth passes through the debris trail from this comet, the Leonid meteor shower occurs. Typically this results in about 15 meteors per hour entering the earth's atmosphere. But, on certain occasions the meteor activity can reach "storm" levels, with thousands of meteors observed per hour. The comet's orbital period is approximately 33 years. This year, and next, will be the most intense meteor storms of the 33 year cycle. The peak period of the meteor activity lasts for a span of two to six hours, and can be fairly accurately estimated. This year's peak is expected on November 17th, approximately 1900 zulu. Little is known about the effects of this increased meteor activity on satellites. The last storm, in 1966, was during a time when the number of satellites in orbit was negligible. Today, the number of active satellites in orbit is over 500.

3. From the period of 171100z-180100z Nov 98 all users of satellite assets should monitor their systems very carefully. This period is six hours prior to and six hours after the expected height of the meteor storm. Any communications anomalies or outages should be addressed through normal channels via immediate message to their servicing satellite asset management centers.

4. Naval space command is currently active in the planning for Leonid meteor storm contingencies. Current plans are to add manning at the satellite operations centers and reduce routine commanding during the meteor shower. These actions will allow for all efforts to be directed toward correcting any satellite anomaly should one occur. Further information will be provided as appropriate. Any questions concerning the Leonid meteor shower can be directed to the poc (point of contact, not applicable for our readers) on this message.

5. Recommend widest distribution of this message to satellite users.

US DX Clusters With VHF/UHF Spots

Is there a good cluster in the U.S. which give spots for VHF/UHF as well as DX ??

Yes, there are.. many of them. All of the following accept new users via TELNET (at last check), so take your pick:

AC4ET (DXCLUS),	ham.southeast.net
K4UJ(DXC),	205.217.100.91
N8TO,	198.109.197.129
KN4F,	206.137.188.10
WU3V,	GATE.WU3V.NET
WU3V,	MOE.WU3V.NET
W5AU,	JNOS.NWLA.COM
N7TR,	GW-WADG.GREATBASIN.NET
N6ND,	128.49.221.102
N5UXT,	GW.N5UXT.AMPR.ORG
KA4PKB,	DX.KA4PKB.AMPR.ORG
WD5B,	WD5B.AMPR.ORG
KC8FT,	MIGATE.AMPR.ORG
VE6LCB,	VE6LCB.AMPR.ORG
K4UJ (DXC),	cluster.akorn.net

July-August 98 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of SM7AED's *Six-metre Info*, JA1VOK's column *V,UHF DX Topics* in **MOBIL HAM**, GJ4ICD's Internet 6m News (marked with #), G4UPS, ON4KST, YO7VS, EH8BPX, VE7SKA, LW5EJU, XE2HWB, WB7QBS, W4DR, and postings on the Internet. Apologies to any sources I may have inadvertently neglected.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 1998. A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. A ~ indicates approximate time. The grid square of the observing station may occur after a > symbol; however a time after > indicates the opening was still in progress at this time. A t indicates tentative identification of a TV station. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, S=SSB, T=Television, W=mode not mentioned (or both CW & SSB), H=heard only.

Reports of Africa

ASCENSION IS.

08231827 ZD8VHF 50.033 B GJ4ICD
08281940 ZD8VHF 50.033 B GJ4ICD
08291852 ZD8VHF 529 50.033 B GJ4ICD

CANARY IS.

07011825 EH8JF IL38 SM7FJE
07031720 EH8BPX IL28 SM7FJE
07081830 EH8BPX G
07081855 EH8BPX 56 QSB -1906 H G4UPS
07181057 EH8BPX IL28 SM7FJE
07190938 EH8BPX 58 -0942 H G4UPS
08031721 EA8 -1835 Es IL18RI 144. EA3ADW
08101510 EH8BYR IL38-IO85 50.111 GM4OGI
08101515 EH8BYR IL38FW 50.110 G6IQL
08131431 EH8BPX IL18SK-IO92AJ 50.120 G6IQL
08231837 EH8BPX IL18SK-IO92UA 50.115 G0PQQ

CENTRAL AFRICAN

07281645 TL5A JJ94 SM7FJE
07281653 TL5A JJ94 SM7AED
08181708 TL5A 59 JJ94>JM78 S IW9CER
08291734 TL5A STRONG 50.110 IK0FTA
08291737 TL5A JJ94>JM78 59 50.110 IW9CER
08311700 TL5A Europe#

CEUTA & MELILLA

07122016 EH9AI 51 H G4UPS
07181838 EH9AI 59, EH7GTF 579 H G4UPS
08062144 EH9IB CLG CQ 50.110 S59F
08112107 EH9AI 50.110 GOLCS
08121916 EH9AI 59 IM75>IO92 50.120 G6IQL
08180909 EH9AI IM75>IO92 50.110 MOKAD
08232029 EH9AI 59 50.110 ON4GG
08241336 EH9AI STRONG! 50.115 GB7ADX
08281824 EH9AI 50.110 IK0FTA

EQUATOR GUINEA

07050920 3CS1 339-->579 -1010 50.107 B G4UPS
07051205 3CS1 -1010 JJ43 B G3HBR
07100915 3CS1 -1010 JJ43 B SM7AED
07110915 3CS1 JJ43 SM7FJE
07201745 3CS1 > IO91 G3HBR
07201759 3CS1 559/559 JJ43 C G4UPS
07271713 3CS1 59+ JJ43 SM7FJE
07271714 3CS1 57/57 JJ43 S SM7AED
08020801 3CS1 319->569 -0905 50.105 W G4IGO
08060840 3CS1 JJ43>IO91 50.107 B G3FPQ
08060853 3CS1 599>J081 50.107 B SP6ASD
08091711 3CS1 559>J023 50.105 PE1MCD
08211554 3CS1 S9 IK0FTA#
08211610 3CS1 > IO90AT H GOOFE

08251729 3CS1	50.110	IK0FTA	08291646 V51VHF JN35>JG87 519 50.018 B ITW1DIM
08251744 3CS1	50.105	N5KME/IC8	08291712 V51VHF 599 50.018 B IT9RZR
08251815 3CS1	50.110	IW9CER	
08291702 3CS1	594++	IW9RZR	
08291735 3CS1	50.130	IW9CER	

MADEIRA IS.

07020946 CT3FJ 58/57 CEDRIC	IM13TA S Y07VS	08251412 ZS6WB	50.110 PA3BFM
07031720 CT3FT	IM13	08281700 ZS6PJS	KG46>KO29 50.110 C ES1CW
07041743 CT3FT	IM12OP S EH8BPX	08281750 ZS6TWN	50.115 IT9RZR
07121249 CT3FT	IM13TA S EH8BPX	08281802 ZS6DN	50.044 B 9A3FT
07122016+CT3HN 33	<2100 H GAUPS	08281810 ZS6AXT	50.109 EA7KW
07130946 CT3HF	IM12OP S EH8BPX	08281814 ZS6AXT	50.109 GJ4ICD
07162229 CT3HF	IM12OP S EH8BPX	08281847 ZS6DN	50.050 B SP6GWB
08040955 CT3FT	IM13>J099 50.129 SM5HJZ	08281855 ZS6AXT	50.050 B SP6GWB
08041057 CT3HF	IM12>JP81 53 50.109 SM3VEE	08281901 ZS6DN	50.110 SP6GWB

MALAWI

07271730 7Q7RM 579	KH74 H SM7AED	08291533 ZS6AXT	50.108 I0JK
07271733 7Q7RM	KH74 SM7FJE	08291534 ZS6WB	50.135 IK0FTA
08051715 7Q7RM	KH74 57 -1745 >IO91 S GARGK	08291540 ZS6Y	50.150 IK0FTA
08081747 7Q7RM	589>J081 50.106 SP6ASD	08291552 ZS6BTE	50.117 IZ4AIB
08081801 7Q7RM	KH74MP>J081LC 50.105 SP6ASD	08291553 ZS6DN	50.051 B I0JK
08081810 7Q7RM	579>J067 50.105 SM6DWF	08291553 ZS6EZ	50.125 IK8YD
08091757 7Q7RM	559>IN87PR 50.107 F5JKK	08291605 ZS6AXT	50.044 B I0JK
08091821 7Q7RM	50.107 F5JKK	08291607 ZS6DN	50.050 EA7KW
08121822 7Q7RM	CW 50.110 F5JKK	08291608 ZS6TWN	50.042 EA7KW
08161906 7Q7RM	53/54 FLUTTER 50.110 S QY9JD#	08291617 ZS6BTE	50.117 EA7KW
08191838 7Q7RM	559 KH74>J020 50.108 PA0LPE	08291639 ZS6AXT	50.108 SV5BYR
08201802 7Q7RM	579 KH74>J075 50.107 SM7CMV	08291711 ZS6DN	50.050 B IT9RZR
08211642 7Q7RM	50.110 JY9QJ	08291712 ZS6TWN	50.043 IT9RZR
08212000+7Q7RM	> IO90AT >2100 50.110 GOOFE	08291758 ZS6AXT	50.110 IK0FTA
08231718 7Q7SIX	539 KH75>JN61 50.003 B IK0FTA	08291816 ZS6WB	50.205 IK0FTA
08231748 7Q7SIX	559>JM78QF 50.003 B IW9CER	08291818 ZS6TWN	50.104 S59A
08241758 7Q7SIX	50.003 B EA7KW	08291825 ZS6AXT	50.103 S59A
08241759 7Q7RM	559 CQ 50.107 EA7KW	08291845 ZS6TWN	50.044 IWOEUI
08241801 7Q7RM	559 CQ 50.110 EA7KW		
08241804 7Q7SIX	529 > IO80 50.002 B G8KRT		
08241813 7Q7RM	559>IO73 50.110 GB7ADX		
08241824 7Q7RM	KH74MP>IO73TG 50.106 GW0GEI		
08251752 7Q7SIX	>JM78 519-549 50.003 B IW9CER		
08251753 7Q7RM	>JM78 59 50.110 IW9CER		
08251815 7Q7RM	559>J070FC 50.105 OK1MP		
08251821 7Q7RM	KH74EE>J020WW 50.105 PA0LPE		
08251826 7Q7RM	CQ 50.108 OK1MP		
08271638 7Q7RM	KH74MP 50.107 DX559D		
08271657 7Q7RM	59 KH74>JN87 50.106 OE4WNG		
08271658 7Q7RM	KH74 559 50.106 SP6GWB		
08271713 7Q7RM	50.110 9A3HZ		
08281758 7Q7SIX	QRM LAWNMOWER 50.003 B GU7DHI		
08281842 7Q7SIX	WEAK>JN68 50.002 B DL3RBB		
08281926 7Q7SIX	KH74>JN67 539 50.003 B OE2UKL		
08291613 7Q7RM	59 50.106 EA7KW		
08291624 7Q7SIX	WEAK 50.002 B I0JK		
08291713 7Q7SIX	579 50.003 B IT9RZR		
08291738 7Q7RM	KH52>JN78 59 50.117 IW9CER		
08291809 7Q7RM	50.105 NSKME/IC8		
08291814 7Q7RM	QSO YU1HQR 50.109 S59A		
08291832 7Q7SIX>JN45UR	50.003 B IK2QDX		
08311830 7Q7SIX	-2000 B 3CS1#		

MOROCCO

07081907 CN8LI	IM64NA S EH8BPX	08017557 Z22JE	55 / 57 KH52 S ON4KST
07121849 CN8LI 579	50.057 B G4UPS	08081711 Z22JE	KH52NF>IO92UA 50.107 G0PQO
07150825 CN8LI 569	B G4UPS	08091721 Z22JE	KH52NF 50.117 PE1MCD
07150932 CN8LI 579	-1100 B G4UPS	08091722 Z22JE	>J033 50.118 PA00S
07151208 CN8LI KEYER QSY TO	50.028 B G4UPS	08251739 Z22JE	WKG A45ZN 50.114 G6YIN
07181733 CN8LI 599 > 1955	50.028 B G4UPS	08251754 Z21SIX	>JM78 519 50.052 B IW9CER
07191012 CN8LI 579 KEYER	B G4UPS	08251764 Z22JE	59+40 >JM78 50.109 IW9CER
07200950 CN8LI 599 KEYER MOST OF DAY	B G4UPS	08291622 Z22FO	KH52NF>JN76RT 50.109 O6ELOG
07201608+CN8LI KEYER STILL 589 >2300	B G4UPS	08291715 Z22JE	50.145 EA7KW
08052242 CN8LI 559>IO91	50.027 B G0KUX	08291733 Z22JE	50.124 IT9RZR
08071733 CN8LI 595>IN53	50.026 B EHITA	08291808 Z22JE	50.107 IK0FTA
08121911 CN8LI 59 IM64>IO92	50.150 G6IQL	08291809 Z22JE	KH52>JM78 50.106 IW9CER
08181933 CN8LI >JM75	50.028 B 9A1XT	08281914 Z22JE	50.106 N5KME/IC8
08191039 CN8LI 559>J020WW	50.027 B PA0LPE		
08200822 CN8LI 579	50.028 B GU7DHI		
08212000+CN8	> IO90AT >2100 50.027 B G0FRR		
08231824 CN8LI IM64>IO91 539	50.027 B G0RJJ		
08231945 CN8KHN IM64>J020	50.120 ON4G		
08281938 CN8LI	50.027 B GJ4ICD		
08281943 CN8LI 559>JN62	50.028 B IW9EUI		
08291039 CN8LI 599>JN48	50.027 B DL8SET		
08291405 CN8LI 539 >JN65VO	50.027 B IV3LNQ		
08231824 CN8LI > IO90AT >2100	50.027 B G0RJJ		
08231945 CN8KHN IM64>J020	50.120 ON4G		
08281938 CN8LI	50.027 B GJ4ICD		
08281943 CN8LI 559>JN62	50.028 B IW9EUI		
08291039 CN8LI 599>JN48	50.027 B DL8SET		
08291405 CN8LI 539 >JN65VO	50.027 B IV3LNQ		

NAMIBIA

08091756 V51VHF 419>J023	50.019 B PE1MCD	08017557 Z25JA	KM72 SM7AED
08181832 V51VHF >JM75	50.018 B 9A1XT	07041827 4X1LIF	KM72 SM7FJE
08211748 V51VHF JM78QF 599	50.018 B IW9CER	07071519 4X1LIF 59/59 RALPH	KM72 S Y07VS
08231659 V51VHF 599	50.018 B 9A1PT	07172000 4Z5JA	KM72 SM7FJE
08231709 V51VHF 579	50.018 B SP4MPB	07180820 4X50N 55	H G4UPS
08231726 V51VHF >J081	50.018 B SP6ASD	07271641 4X1LIF 559 WKG G2ADR	H G4UPS
08231747 V51VHF 599>JM78QF	50.018 B IW9CER	08081812 4Z5JA >IN87PR	F5JKK
08231754 V51VHF 539	50.019 B IOER/S	08081814 4X1LIF >IN87PR	F5JKK
08231802 V51VHF S/7 JGB	50.018 B IKSYJY	08261900+4Z5JA S9+20	3CS1#
08231818 V51VHF 579	50.018 B SP4MPB	08281854 4X60N 57 KM72>J041	DK2PH
08231820 V51VHF 559	50.018 B 9A1PT		
08281820 V51VHF 599	50.018 B IW9GDC		
08281906 V51VHF 418>JN62	50.018 B IW9EUI		
08281908 V51VHF 579 >K003	50.018 B SP4MPB		
08291517 V51VHF	50.018 B I0JK		
08291508 V51VHF 579	50.018 B EA7KW		

SOUTH AFRICA

08251412 ZS6WB	50.110 PA3BFM	08281700 ZS6PJS	KG46>KO29 50.110 C ES1CW
08281743 ZS6JON	50.115 IT9RZR	08281802 ZS6DN	50.044 B 9A3FT
08281781 ZS6AXT	50.115 EA7KW	08281810 ZS6DN	50.050 B SP6GWB
08281915 ZS6ZL	50.120 IK0FTA	08281916 ZS6DN	50.050 B SP6GWB
08281916 ZS6ZV	50.120 IK0FTA	08281917 ZS6DN	50.050 B SP6GWB
08281917 ZS6ZV	50.120 IK0FTA	08281918 ZS6DN	50.050 B SP6GWB
08281918 ZS6DN	50.120 IK0FTA	08281919 ZS6DN	50.050 B SP6GWB
08281919 ZS6DN	50.120 IK0FTA	08281920 ZS6DN	50.050 B SP6GWB
08281920 ZS6DN	50.120 IK0FTA	08281921 ZS6DN	50.050 B SP6GWB
08281921 ZS6DN	50.120 IK0FTA	08281922 ZS6DN	50.050 B SP6GWB
08281922 ZS6DN	50.120 IK0FTA	08281923 ZS6DN	50.050 B SP6GWB
08281923 ZS6DN	50.120 IK0FTA	08281924 ZS6DN	50.050 B SP6GWB
08281924 ZS6DN	50.120 IK0FTA	08281925 ZS6DN	50.050 B SP6GWB
08281925 ZS6DN	50.120 IK0FTA	08281926 ZS6DN	50.050 B SP6GWB
08281926 ZS6DN	50.120 IK0FTA	08281927 ZS6DN	50.050 B SP6GWB
08281927 ZS6DN	50.120 IK0FTA	08281928 ZS6DN	50.050 B SP6GWB
08281928 ZS6DN	50.120 IK0FTA	08281929 ZS6DN	50.050 B SP6GWB
08281929 ZS6DN	50.120 IK0FTA	08281930 ZS6DN	50.050 B SP6GWB
08281930 ZS6DN	50.120 IK0FTA	08281931 ZS6DN	50.050 B SP6GWB
08281931 ZS6DN	50.120 IK0FTA	08281932 ZS6DN	50.050 B SP6GWB
08281932 ZS6DN	50.120 IK0FTA	08281933 ZS6DN	50.050 B SP6GWB
08281933 ZS6DN	50.120 IK0FTA	08281934 ZS6DN	50.050 B SP6GWB
08281934 ZS6DN	50.120 IK0FTA	08281935 ZS6DN	50.050 B SP6GWB
08281935 ZS6DN	50.120 IK0FTA	08281936 ZS6DN	50.050 B SP6GWB
08281936 ZS6DN	50.120 IK0FTA	08281937 ZS6DN	50.050 B SP6GWB
08281937 ZS6DN	50.120 IK0FTA	08281938 ZS6DN	50.050 B SP6GWB
08281938 ZS6DN	50.120 IK0FTA	08281939 ZS6DN	50.050 B SP6GWB
08281939 ZS6DN	50.120 IK0FTA	08281940 ZS6DN	50.050 B SP6GWB
08281940 ZS6DN	50.120 IK0FTA	08281941 ZS6DN	50.050 B SP6GWB
08281941 ZS6DN	50.120 IK0FTA	08281942 ZS6DN	50.050 B SP6GWB
08281942 ZS6DN	50.120 IK0FTA	08281943 ZS6DN	50.050 B SP6GWB
08281943 ZS6DN	50.120 IK0FTA	08281944 ZS6DN	50.050 B SP6GWB
08281944 ZS6DN	50.120 IK0FTA	08281945 ZS6DN	50.050 B SP6GWB
08281945 ZS6DN	50.120 IK0FTA	08281946 ZS6DN	50.050 B SP6GWB
08281946 ZS6DN	50.120 IK0FTA	08281947 ZS6DN	50.050 B SP6GWB
08281947 ZS6DN	50.120 IK0FTA	08281948 ZS6DN	50.050 B SP6GWB
08281948 ZS6DN	50.120 IK0FTA	08281949 ZS6DN	50.050 B SP6GWB
08281949 ZS6DN	50.120 IK0FTA	08281950 ZS6DN	50.050 B SP6GWB
08281950 ZS6DN			

08282136 IC8/P/NSKME JN60WR	50.143	ON1AEN	08041808 OZ2LD	50.150	DK3RV	08231850 G3MY	IO93	50.107	OM5KM	
08292119 IC8/N5KME JN60WR	50.143	PE1LAU	08151654 OZ1BV	50.110	S LW5EJU	08231900 G0GRI	IO81UH	50.110	CT1EKF	
CRETE			08151656 OZ3K	50.120	S LW5EJU	08231908 G0RJ	IO91-J060	50.146	OK1DPU	
08042234 SV9SIX >JM49	50.010	B IW0UIQ	08151712 OZ5GF	50.115	S LW5EJU	08231913 GB3MCB	IO70-J060	50.042	OK1DPU	
CROATIA			08151730 OZ4VW	50.146	S LW5EJU	08231925 GB3MCB	599->J080	50.042	B SP6GW	
07050719 9A1B 59/59	JN85KV	S G4UPS	08182150 OZ1PIF	J065AN>J092AJ	50.155	G51QL	08241417 GB3MCB	IO700J>JN86EH	50.042	B 9A8A
07050732 9A7S 59/59	JN85EG	S G4UPS	08251454 OZ6VHF	J057ES 559	50.055	B IK5WQ	08241420 G4ALY	IO70UL>JN86EH	50.110	9A8A
07050754 9A3FT 59/59 RENNY	JN83FM	S G4UPS	08251813 OZ7CK	J055>J061	50.205	DL3DXX	08261126 G7EXO	57	50.150	IW5BML
07050800 9A1CAL 59/59	JN86	S G4UPS	08251815 OZ7CQ	59->J022	50.205	PE1OZB	08261127 GB3N0F	55	50.150	IW5BML
07050807 9A10 59/59	JN95IN	S G4UPS	08251816 OZ1IIP	CQ	50.200	DL3DXX	08271543 G3CEC	AURORA	50.106	SP4MPB
07050846 9A1RKV/B 59/59	JN74TH	S G4UPS	08251835 OZ2LSD/B	J044>J021	50.130	PE1PZS	08271706 G0EVT	55A	50.130	F5MUX2
07071950 9A2HW 57/57 IVAN	JN75WT	S G4UPS	08251838 OZ9KY	53 J045>J022	50.150	PE1OZB	08271730 G (SOUTHERN, SEVERAL)	70 AU W	50.115	GM3TAL
07090819 9A6K 59/59	JN86GA	C G4UPS	08251909 OZ1IIP	J055XU>J022	50.200	PE1OZB				
07151326 9A3NC	JN75BC	S EH8BPK	08251909 OZ5W/P	J055S>J099	50.160	SKOUX				
07151331 9A8A	JN86EH	S EH8BPK	08271118 OZ6VHF	>J033 55A	50.054	B PAJFBN				
07151348 9A2YD	JN85FR	S EH8BPK	08271248 OZ5AGJ	50.124	SM5JE					
07151624 9A2RK 57/57 DAMIR	JN75VC	C G4UPS	08271307 OZ5AGJ	J056 57A>J060	50.124	OK1LDDO	06220452 ES2NA	59/59	S Y07VS	
07151659+9A1CAL	50.000	B G4UPS	08271313 OZ5AGJ	J057A J056-J021	50.130	PE1MZS	06300902 ES1LJ	57&59/599&59	KO29KK W Y07VS	
07151928 9A8M 559/599 MARK	JN86GA	C G4UPS	08271418 OZ5AGJ	J052A J056-J021	50.147	PE1KCH	06300914 ES1AJ	57/55	KO29KK S Y07VS	
07180736+9A2HW 59	H G4UPS		08271431 OZ3ZW	J054 59A-J060	50.086	OK1LDDO	07041215 ES9C		KO39	
07180747+9A1CAL 59	H G4UPS		08271447 OZ3ZW	J054S>J031	50.087	DJ4AX	07041519 ES1A/4	59017/59006	KO39GL S Y07VS	
07181030 9A1CAL 559	B G4UPS		08271449 OZ8ZS	59A J055>J060	50.109	OK1LDDO	07051042 ES1AJ	599057/599014	KO29HK C Y07VS	
07200755 9A8A 59/59 MARK	JN86	S G4UPS	08271450 OZ3ZW	52A >JN76RT	50.090	OE6LOG	07051150 ES0SIX	579	B G4UPS	
07200755+9A1CAL 589	B G4UPS		08271453 OZ1EWH	59A J054>J060	50.100	OK1LDDO	07051623 ES1AJ	599/599 SLAVA	KO29HK C G4UPS	
07200755+9A3AT 559	H G4UPS		08271455 OZ1IIP	J054>JN48	50.100	DL2GBT	07171805 ES0SIX	569	B G4UPS	
07201132 9A2YD 59/59 NED	JN74OC	S G4UPS	08271507 OZ5W/P	J055XU>J080HK	50.170	SP6GW	07181030 ES0SIX	579	B G4UPS	
07211100 9A2YD/P 59/599 RENNY	JN83GJ	C G4UPS	08271518 OZ8ZS	J055RT>J020CW	50.165	ON1DHF	07191831 ES6CO	579/579	KO28 C ON4KST	
07211174 9A2YD/P 59/599 RENNY	H G4UPS		08271521 OZ3ZW	J054S>J070	50.112	OK1ACF	07191921 ES5DO	559	H G4UPS	
07211754+9A2HW 579	H G4UPS		08271523 OZ5AGJ	J056D>J031TO	50.148	DL2DR	07191931 ES1R	559/559	KO29 C G4UPS	
07211820+9A7V 59	H G4UPS		08271536 OZ1PIF	J065 59A>J060	50.150	OK1LDDO	07191935 ES1LCW	599/599 ARVO	KO29HK C G4UPS	
07212055 9A4WY 559	H G4UPS		08282015 OZ2VHF	J045 559	50.061	B IK0OKY	07220739 ES1LCW	599/599 ARVO	KO29HK C G4UPS	
07271735 9A1CAL <1817	JN86	B SM7AED					07270950 ES1M/0			
07271803+9A1CAL 339 <1810	B G4UPS						07271129+ES2RJ/8 59		KO18 H G4UPS	
07280746 9A3FT	B G4UPS						08040711 ES0SIX	559 BACK ANT	0.037 B PA2VST	
08010859 9A1EZA CQ	50.112	LAZAB					08040716 ES1AJ	KO29>J022	50.104 PA2VST	
08021247 9A1CAL 57	50.000	SM3GSK					08061933 ES1AJ		50.107 G3IOR	
08021248 9A2YD/P JN74	50.134	SM3GSK					08061933 ES1R		50.109 G3IOR	
08021249 9A8A CQ	50.128	SM3GSK					08062031 ES4NG		50.107 ES1C	
08041023 9A3FT JN83>J099	50.112	SM5HJZ					08062040 ES1LCW	KO29HK-JN25XU	50.130 F1GCX	
08041059 9A1CCB JN85>J099	50.120	SM5HJZ					08062041 ES1MW	KO29HI-JN25XU	50.130 F1GCX	
08041105 9A1EZA JN86>J099	50.139	SM5HJZ					08180738 ES4GN	KO39A0>JN65TS	50.130 IV3KAS	
08091706 9A2YD/P JN74>J021 59	50.126	ON9BGP					08182134 ES2WZ/8	KO28KL-I092AJ50	50.120 G6IQL	
08091752 9A2YD/P JN74D	50.122	F5RNF					08221503 ES1LCW	KO29>KP07 55A	50.120 SM2HTM	
08091848 9A8A 59 JN86EH MARK	50.110	S LW5EJU					08230938 ES2QN	KO29>J022	50.120 PA3BLS	
08091849 9A1CCY 59 JN85	50.130	S LW5EJU					08231013 ES0SIX	539>J021VT	50.037 B PA0ERA	
08182140 9A8A IN86EH>IO92AJ	50.158	G6IQL					08231020 ES0SIX	KO18>J090 559	50.037 B G3IBI	
08182203 9A1CCB JN85LN>IO92AJ	50.123	G6IQL					08231027 ES0SIX	KO18>J022 579	50.037 B PA3BLS	
08211153 9A2OM CLG CQ	50.134	GU7DHJ					08231032 ES0SIX	STEADY	50.037 B GOVSN	
08232048 9A3JI CQ	50.120	EH3CUU					08231033 ES2QN	KO29>JN39	50.119 F1NGP	
08241431 9A1CAL JN86EL	50.000	B G8TADX					08231041 ES2QZ	KO29D9>J030	50.120 DL8PM	
08241449 9A1CAL JN86	50.000	B G8TADX					08231042 ES0SIX	599>J030BU	50.036 B DL8PM	
08271609 9A3AT 56A	50.104	SP4MPB					08231053 ES0H0D	KO18FP	50.103 GB7ADX	
08271627 9A3HZ AU	50.103	SP4MPB					08231057 ES0H0D	KO18FP CLG CQ	50.090 F1GCX	
08282103 9A1CAL JN86FJ>IN89RL	50.128	GU7DHJ					08252015 ES1MW	KO29>J099	50.165 W SKOUX	
CZECH REPUBLIC							08252023 ES2NA	KO29>J099	50.150 SKOUX	
07051550+OK2PP 59	H G4UPS						08252028 ES2WZ	KO29>J099	50.156 SKOUX	
07090740 9OKEK 599	B G4UPS						08270000+ES1CW	>IO91	AU W G4RGK	
07140835 9OKEK 599	B G4UPS						08271140 ES1CW	KO29>J099 030	50.105 SM5HJZ	
07161203+OK2BGW 59 (9) <1239	B G4UPS									
07171025 OK1BNM 559/599	JN78FX	W G4UPS								
07171028 OK2PP 59/599	JN89MD	C G4UPS								
07171028+OKOKEK 579	B G4UPS									
07171028+OK2BGW 59	H G4UPS									
07180923+OK2DW 559	H G4UPS									
07191100 OK1JL 59, OK2BGW 55	H G4UPS									
07191104 9OKEK 589 > 1120	B G4UPS									
07191104+OK2PW 55	H G4UPS									
07201640 9OKEK 559	B G4UPS									
07201700 OK2PP 59, OK5KM 559	H G4UPS									
07211106 OK1JMW 559/599 PAVEL JN79MD	C G4UPS									
07211106+OKOKEK 559 <1128	B G4UPS									
07211747 9OKEK 579	B G4UPS									
07211836 OK1K 599/599 VRATA J070WE	C G4UPS									
07281559 OK1MP 59 / 59	J070	S ON4KST								
08021158 OK2BGW 55	50.110	SM3GSK								
08091852 OK1ILB 55 J060	50.115	S LW5EJU								
08231902 9OKEK >IO92UA	50.011	B G0PQO								
08241512 9OKEK	B G3IBI									
DENMARK										
06181052 0Z4VV 59/59 FINN	J046Q	S Y07VS								
06191023 0Z6JZ 559/559 QRM	C Y07VS									
06270807 0Z2LD 59/59 CRISTIAN	S Y07VS									
07011720 0Z4VV	J046	S EH8BPK								
07031000-0Z9N 59	H G4UPS									
07031726 0Z5AGJ	J056DF	S EH8BPK								
07031730 OZ1IPE	J055XU	S EH8BPK								
07041441 0Z7SKB/P 59007/59006	J045TK	S Y07VS								
07041457 0Z1SDR/P 59013/59009	J044UV	S Y07VS								
07041459 0Z5AGJ 59014/59012	J056DF	S Y07VS								
07041459 0Z1BAL/O 59016/59018	J055KR	S Y07VS								
07041540 0Z5ES5	J09201/59002/59003	S Y07VS								
07050825 0Z1THY/A 59035/59002	J074MX	S Y07VS								
07050825 0Z9EDR/P 59037/59108	J064GX	S Y07VS								
07050828 0Z1HLB/P 59038/59069	J055RT	S Y07VS								
07050849 0Z1LSDR/B 59/59 NIELS	J074MX	S G4UPS								
07050849 0Z1LSDR/B 59/59 NIELS	J054TU	S EH8BPK								
07050205 0Z2LD 59/59	J070TM	S EH8BPK								
07051550-0Z6VH 579	B G4UPS									
07051748 0Z7ADZ/A 59/59 NIELS	J074MX	S G4UPS								
07051748 0Z7ADZ/A 59/59 NIELS	J054TU	S EH8BPK								
07171515 0Z7TGY 599	B G4UPS									
07171518 0Z1LZ 59/599 PETER	J055	C G4UPS								
07171525 0Z8ABA 59/59	J055UQ	S G4UPS								
07171528 0Z7JYV 59/59 JURGEN	S G4UPS									
07171528 0Z6VH 599/02VHF 559	B G4UPS									
07171536 0Z5EI 559/559 EIGIL	J045TT	C G4UPS								
07171545 0Z1EEZ 59/59 JENS	J045VG	S G4UPS								
07171545 0Z1EEZ 59/59 JENS	J08101434	GB3MCB	IO700J>J081	50.042 B PAJHDP						
07171545 0Z1EEZ 59/59 JENS	J08151715	G3WZT	59 I090UX	50.115 S LW5EJU						
07180923+0Z3BAU 59	H G4UPS									
07220715 0Z7TGY 599 -0723	B G4UPS									
07271201 0Z2LD 59	H G4UPS									

08121940	0H4MFA	KP32NG>IN60BP	50.100	CT4KQ
08121941	0H2MFA		50.110	CT4KQ
08141035	0H9VHF	KP36>IO86	50.067	B GMOHU
08141041	0H1SIX	KP11>IO86	50.025	B GMOHU
08151503	0H8XXK	59 / 54	KP24	S ON4KST
08160730	0H2BC	59 / 57	50.110	S UN1G#
08170907	0H1SIX	579	50.025	B GM0EFT
08170930	0H1SIX	599 -1000	50.025	B UN1G#
08180755	0H2MWW	KP20	50.111	IV3KAS
08181952	0H3NLP	BACK ANTENNA	50.110	F5JKJ
08202216	0H7TE / 7	KP38	50.115	OZ4VV
08221505	0H1SIX	55A>KP07	50.025	B SM2HT
08221917	0H1SIX	KP11>IO73 579	50.025	B GB7ADX
08222046	0H9SIX	559	50.067	B OK3LX
08222105	0H8LAE	59	50.110	B OK3LX
08222137	0H1SIX	KP11>JN76RT	50.025	B OEE6LOG
08230740	0H2LVA	KP20KF	50.099	9A8A
08230758	0H1TV	KP10HT>JN86EH	50.101	9A8A
08230839	0H1SIX	599>JN63FW	50.025	B T72EB
08230849	0H9SIX	KP360I>JO90GG	50.067	B SQ9ACH
08230904	0H2MFE	KP20>JO50 59	50.129	DL3AT
08231011	0H1SIX	KP11>JN48 549	50.025	B DF4UE
08231021	0H3BNP	KP20>JN48 58/	50.151	DF4UE
08231025	0H2MFE	KP20>JN39	50.117	F1NGP
08231040	0H2MFE	KP20JJE>J030	50.117	DL8PM
08231045	0H3EX	KP20>JN88 56	50.163	OE3MWS
08231047	0H3EX	KP20>JN39	50.163	F1NGP
08231055	0H3MF	559 KP20>JN47	50.148	DL5GAC
08231055	0H9SIX		50.067	B OH5AE
08231104	0H3ABN	55 KP11>J060	50.145	OK1LDO
08231106	0H2MFE	KP20JJE>JN59KP	50.117	DL1LEY
08231106	0H5NQ		50.140	F1NGP
08231110	0H9SIX	599+15 KP600I	50.066	B S59A
08231803	0H3ABN	KP11TF>J071EN	50.145	DL9USA
08252017	0H1XT	KP01>JO99	50.155	W SKOUX
08252025	0H2LXY	KP20>JO99	50.150	SKOUX
08252034	0H6QR	KP22>JO99	50.167	SKOUX
08271103	0H1SIX	STRONG AURORA	50.025	B SM4MJJZ
08271127	0H4MFA	KP32>JO99 020	50.100	SM5HJJZ
80151659	0H2BC	57 KP20	50.120	S LW5EJU

FRANCE

06170640	F80P	59/59	GEORGES	KN26MM	S	Y07VS
06171542	FBC1CH	59/59	JACK	JN23FP	S	Y07VS
06180810	F5MOO	59/57	TERRY	JN07JG	S	Y07VS
06180830	FBC1DVO	59/59	JACKY	JN09XT	S	Y07VS
06181206	F80P	59/59	GEORGES	KN26MM	S	Y07VS
06181259	FBC5LJA	59/55	DIDIER	J0101A	S	Y07VS
06190704	F1BHZ	59/59	PHILIP	JN09XP	S	Y07VS
06261559	F1BIQ	59/57	CLOD	JN13NP	S	Y07VS
06261605	F1FXB	59/59	MIKE	JN24BD	S	Y07VS
06261630	F6BQX	59/57	GERARD	JN06GT	S	Y07VS
07011815	F4ECS	59			G4UPS	
07011828	FBC5JDG	55/55	ANDRE	JN23NP	S	G4UPS
07011828+F5JDG	< 1855				G4UPS	
07041710	F1AKE			IN87WE	S	EHB8PX
07050638	FBC1RAD	59027/59005		JN35DG	S	Y07VS
07050642	F1AKE	59028/56003		IN87WB	S	Y07VS
07050643	F1RQ	59029/59002		JN99UP	S	Y07VS
07050647	F1MKE	59030/59004		JN05GQ	S	Y07VS
07050858	F6GID	599/599		JN1801	C	G4UPS
07050920	F1MZF			JN05GP	S	EHB8PX
07050920	F1MZF			JN16GG	S	W8TUS

GIBRALTAR

02331405 3B3EQ 599/599 JOHN TM76 C GAURS

GREECE

07050818	SV7/DG7MHR	59034/57	KM17CP	S	Y07VS	07141340	IT9AQL	JM68	SM7AED
07100935	SV1VJG					07150708	I0JX 579		B G4UPS
07151558	SVOLK	579/579	KM25QI	C	G4UPS	07150722	IK7XGF	JN71	SM7AED
07151600+*	SVISIX	589		B	G4UPS	07150832	I25EME 59/59		S G4UPS
07161817	SV7/DG7MHR/M	59 / 59	KM09	S	ON4KST	07150832+*	IW9CER 59, IT9RZR 559		H G4UPS
07161903	SV2DCD	57 / 57	KN00	S	ON4KST	07151317	IT3HRV	JN65EU	SH8BPK
07181030	SV8AQY		KN07	S	SM7AED	07151318	I7CSB	JN71QQ	SH8BPK
07192035	SV1DKR	55 WKG SP <2103	H	G4UPS	07151321	I7KYZI	JN71QQ	SH8BPK	
07192035	SV1SIX	569	B	G4UPS	07151340	I4GOC		B G4UPS	
07200746	SV1DH				07151600+*	I0JXJY 599		B G4UPS	
07212055	SV1SIX	559 -2107	B	G4UPS	07151641	I45/I5B7TC/P	59/59	JN52DS	S G4UPS
08041819	SV1SIX		50.040	ON5SE	07151642	I45/I5B7TC/P		JN52	SM7FJE
08050711	SV1DH	CLG DX "ASIA"	50.111	DL5MG	07170835	I0JXJY 559		B G4UPS	
08050713	SV1DH	IN QSO	50.111	DJ6TK	07170850	IW0BNC 59/53 MAX	JN61BX	S G4UPS	
08050717	SV1SIX	559 JN45	50.040	B	IV2QDX	07180736+*	IV3LNQ 57	H G4UPS	
08062043	SV2DPA	KN10	50.105	ES1CW	07180747+*	I0JXJY 599		B G4UPS	
08062058	SV1DH	KM27 I091	50.150	G0RRJ	07180747+*	IW3QIO 59	H G4UPS		
08062104	SV1DH	59 KM27>J094	50.120	SP2IQW	07180923+*	I0K0IXI 579	H G4UPS		
08090951	SV1OE	KM17VX>JM19MP	E8 144	S	EA6VQ	07181721	IW1DIM/1	JN34WQ	SH8BPK
08090952	SV0EC	KM10CJ>JM19MP	E8 144	S	EA6VQ	07191150	IW2KMB 57	H G4UPS	
08090957	SV2DCD	KM00NP>JM19MP	E8 144	S	EA6VQ	07191156	IW4DV 59/59 ANDY	JN54QL	S G4UPS
08091008	SV6DBG	KM09JY>JM19MP	E8 144	S	EA6VQ	07200932	IW3OCD 599/599	JN65BL	C G4UPS
08091027	SV2BNL	KN10LO>JM19MP	E8 144	S	EA6VQ	07200955	IW9CER 59, I0JX 579	B G4UPS	
08230754	SV1OE	KM17VX>JN86EH	50.110	9A8A	07201053	IV8DRG/8	JM79	SM7FJE	
08230755	SV1OE	59>J070FC	50.110	OK1MP	07202105	IW9CER	JM78	SM7AED	
08230801	SVTS	59>JN63FW	50.126	T72EP	07201426	IW9AUL 59/57 ENRICO	JM68SA	S G4UPS	
08230830	SV8AQY	KM08 EU-052	50.120	ON5SE	07201437	I4GOC 59/59 GEORGE	JN46GB	S G4UPS	
08230837	SV8AQY	KM08	50.200	I	IK2JET	07211630	I	H SM7AED	
08230842	SV1OE		50.110	ON5SE	07221820	IV3LNQ 59		H G4UPS	
08230847	SV8PQY	KM08GC	50.120	IW5DNZ	07221820+*	I0JXJY 599		B G4UPS	
08231033	SV1SIX	59+>JN37	50.040	B	HB90NN	07220805	I	H SM7AED	
08231816	SV1SIX		50.040	B	OM5KM	07261340	IG9/IW2HKW	JM65	SM7FJE
08231833	SV8DTD	KM39EA>J020AR	50.120	ON4GG	07271648	IK7C7Y 57		H G4UPS	
08231846	SV1SIX	KM17UX>JN48	5350.040	B	DF4UE	07271708	IK7MCY	JN65	SM7AED
08231902	SV1SIX	599	50.040	B	ON4GG	07311431	IG9/IW2HKW 59 / 58	JN81	SM7AED
08231926	SV1SIX	KM17UX>JN37SM	50.040	B	HE9DPG	08011214	IG9/IW2HKW JM65>JN59	JM65	ON4KST
08231933	SV1SIX	599	50.040	B	ON4ANT	08040920	IW4DMM JN53>I086	50.150	DL7QY
08231938	SV1DKR	CQ CQ	50.116	ON1LGS	08041807	IK5YJY	50.150	GM4ABB	
08232001	SV1DKR	59+44	50.116	I	W1DAD	08041808	IW7DLC CQ	50.132	OK1JL
08250952	SV1SIX	579 >JN72	50.040	B	IK6TII	08041835	IW9CER JMT8	50.130	ON5SE
08251846	SV1SIX	579>JN48	50.040	B	DL8SET	08041840	IW7DLC J022>JN80	50.140	DF6WE
08260613	SV1SIX		50.040	B	DJ3YE	08042314	I0JX 55	50.005	PA3HHF
08261034	SV1SIX	599 >JN72	50.040	B	IK6TII	08050656	I0JX 519 >J021	50.005	PA3GST
08261257	SV1SIX	599>JN68	50.040	B	OE5UAL	08050718	I0JX 579 JN61>IN89	50.004	GU7DH1
08271700	SV1SIX		50.040	B	IK0FTA	08062008	IW1LMTZ JN35>JN48 539	50.090	DK7SP
08281835	SV1SIX	599>J050	50.040	B	DL6AM1	08062015	I0JX	50.130	PA3GML
08281837	SV8DTD		50.120	B	DL6AM1	08062019	IK5YJY FABIO	50.163	OK1JL
08281850	SV8DTD	KM39EA>J031TO	50.120	B	DL2DR	08062021	I2OARN 59 JN61	50.132	LC1PAT
08281855	SV1SIX	599	50.040	B	9A2FJ	08062030	I25EME 59 JN52	50.125	LC1PAT
08281855	SV8DTD	59+	50.120	B	DL8NCNG	08062041	I0JX	50.005	PA3GML
08281905	SV8CS	59 KM07>J071	50.113	B	LD9UDS	08062043	I0JX	50.130	PA3GML
08281911	SV1SIX	KM17UK>J031TO	50.040	B	DL2DR	08062045	IK5RLP JN52LR	50.137	DK6TK

GERMANY

06201317	DL6AMI	599/599	JO50QX	C	Y07VS
06201321	DL3JMM	599/599	JO60CM	C	Y07VS
06230914	DJ3FY	59/59 HUBERT	JO31D1	S	Y07VS
06280915	DL4MDQ	59959/59959	JN58SP	C	Y07VS
06280918	DL2DX	599/599 JOE	JN45RS	C	Y07VS
06280923	DJ5MN	55/57 BERNARD		S	Y07VS
06280931	DL7QY	59/59 CLAUS	JN59BQ	S	Y07VS
07011711	DL6AMI		JO50QX		EH8BPK
07011713	DL2DXA		JO61VC		EH8BPK
07011721	DJ6XV		JO31LQ		EH8BPK
07011724	DK2PH		JO41GV		EH8BPK
07011728	DJ6NI		JO31LI		EH8BPK
07021426	DL6AMI	599/599	JO50QX	C	G4UFS

GUERNSEY

GUERNSEY

HUNGARY

HUNGARY

MAJOR CITIES, POPULATION, SURFACE, ETC.

ICELAND

07172248 TF3FK 59 / 56 HP94 S ON4KST

IRELAND

07031700 EI9AE	1062VM	S	EH8BPX
08241904 EI8HZ	50.115		HB9OAB

ISLE OF MANN

08041103	GD0TEP	50.096	OH4MFA
08271712	GD3AHV 599A	50.099	G3ZSS

ITALY

06171546	I1AXE	599/599 AXEL	JN43QM	C	Y07VS
06201320	I2KMD	59/59 RICK	JN45MP	S	Y07VS
06201328	I2EGD	57/57	JN55	S	Y07VS
06201331	I3VWK	59/59 RUDY	JN55VR	S	Y07VS
06201332	I2X2BCE	57/55 ROB	JN45KC	S	Y07VS
07021539	I2KGSO	59/59 ENRICO	JN45	S	G4UPS
07031346	I9WCR	IWSBML 59		H	G4UPS
07031352	I0WOLB	59/59 LELLO	JN40KD	S	G4UPS
07031358	I5W5BLM	59/59 AL	JN52	S	G4UPS
07031405	I0JX	599		B	G4UPS
07031431	I2WORG	IWOBQS 59			G4UPS
07031431	I5WS	HB9ONG 59/59	JN53PL	S	G4UPS
07031431	I5WAHI	I2ZEMEE	I5K0EA		G4UPS
07031532	I4AMD	55/55 NELLO	JN64CK	S	G4UPS
07050714	I3HRV	599/599 SANTE	JN65	C	G4UPS
07050733	I+OJX	599		B	G4UPS
07050733	I6KTIJL	I4KHLQ 59			G4UPS
07050743	I6KGII	599/599	JN63TI	C	G4UPS
07050754	I0JX	59/57 TONY	JN61	S	G4UPS
07050900	I5W	HB9ONG 59/59	JN53PL	S	G4UPS
07050927	I2W1QX	59045/59001	JN44VC	S	Y07VS
07050929	I2IAAJ	57046/58004	JN44HT	S	Y07VS
07051124	I5WS	HB9ONG 59061/59	JN53PL	S	Y07VS
07052000	I0JX	599		B	G4UPS
07052000	I+6KTIJL	59	-2245	H	G4UPS
07071950+	I5W3RQL	59			G4UPS
07081839	I7K7CMY			JN81KB	S EH8BPX
07101048	I6VXR	? 44		H	G4UPS
07101048	I5K7	570-027	JN10-0177	R	G4UPS

08211856 IOJK 559 OFF BACK 50.004 B GU7DHI 08251927 9H1XT 50.110 OE3Mzc 07021434 SP9KDA 57/57 JAN J090EU S G4UPS
 08212158 IWOUIQ CQ S AMERICA 50.111 GU7DHI 08260814 9H1SIX 559>J043 50.025 B DJ9YE 07021438 SP3QN 59 G4UPS
 08230740 IK6TJL JN72AJ 50.145 9A3FT 08281947 9H1XT JM75GV 50.150 SP8FHK 07021438 SP5SIX 599 B G4UPS
 08230847 I7/IW3RKD JN90 50.152 PE1LAU 07271100 1AOKM 50.142 S G3HBR 07021511 SP2SGZ 599 G4UPS
 08230851 IW5BQLT 599++ 50.104 H SP4MPB 07271715 1AOKM 50.142 S G3HBR 07021511 SP8RHP/P 559/559 BOB K020AQ C G4UPS
 08230922 IW5BWT JN53>J070 50.108 OK1KMP 07271715 1AOKM 50.142 S G3HBR 07021533 SP8GVM 559/559 KO11IF C G4UPS
 08230927 IW5BML JN52>J070 50.120 OK1KMP 07271715 1AOKM 50.142 S G3HBR 07021539 SP5ELA 59 G4UPS
 08230930 IOJK JN61>J060 599 50.004 B OK1FFD 07271733 1AOKM 59 / 59 50.142 S G3HBR 07021556 SP5BAK 59 G4UPS
 08230955 IK7CMT 59+ JN81>J021 50.110 PE1M2S 07271733 1AOKM 59 / 59 50.142 S G3HBR 07031702 SP5BAK K002KE S EH8BPK
 08231021 IK4GNI 50.173 SM3GUE 08011412 1AOKM S9 LONG BURST 50.140 W G3WOS 07041419 SP5BAK 59006/59005 K002KE S Y07VS
 08231927 IOJK 50.005 B OM5KM 07041503 SP2NJE 59015/59007 J092AT S Y07VS
 08232015 I7UGO JN80 50.145 G3SKR 07050829 SP8DWI 59039/59000 K010ND S Y07VS
 08232045 IW9ELA J022>JN68 50.120 PE1O0Y 07050830 SO0GUR 59040/59015 J074NB S Y07VS
 08232047 IW9ELA JN76>JN39 50.120 F1NGP 07050916 SP6FUN 59048/57014 J081GH S EH8BPK
 08232050 IW9ELA JN76 CQ 50.110 F1NGP 07051007 ER3R/P KN47 SM7FJE 07051029 ER3R/P KN47 SM7FJE 07051550+SR5SIX 599 B G4UPS
 08240814 IV3/IKOBAL JN66IE 50.190 IZ4A1B 07170903 ER5DX KN47 SM7FJE 07052034 SP2MKO J093CB S EH8BPK
 08241154 IOJK LOUD 50.004 B G6YIN 07170903 ER5DX KN46 SM7AED 07052037 SP2SGZ J082UJ S EH8BPK
 08251312 IK7UXY JN90DC 50.110 PE1BFM 07170903 ER5DX KN46 SM7AED 07052047 SP2NJE J092AT S EH8BPK
 08251356 IW8RBA 50.150 IK8GGT 07090740+SP8RHP,FP9BPRP 599 H G4UPS
 08260805 IOJK 529>J043 50.004 B DJ9YE 07151605 SP6TRQ/9 59 / 59 K000 S ON4KST
 08260810 I7/IW3RKD JN90BD 50.150 ON5FU 07151609 SP9MRQ 59 / 59 J090 S ON4KST
 08260811 I7ZPB JN80 >J020 58 50.160 ON1DHF 07151613 SP9EWU 59 / 59 J090 S ON4KST
 08260814 I7/IW3RKD JN90>I091 50.150 G3SKR 07151643 SR5SIX 579 B G4UPS
 08261132 IW8BML 55 >I091 50.150 G7EXO 072021553 PA0LP 599/559 BERT J0222H S Y07VS
 08270945 IWOGIV JN61FW>JN45UR 50.160 IK2QDX 072030932 PE1RVS 59/59 J022H S Y07VS
 08271536 IW6MTS 55 JN62>JN45 50.150 IK2QDX 072031018 PA3ADA 579/579 ERIC J022LJ C Y07VS
 08281922 IK5RLP JN52 50.130 SM7URQ 072061344 PE1NPK 59/59 DIRM K022F S Y07VS
 08282108 IK7CMY JN81 50.128 GW7SMV 07031704 PA1NHA K002KE S EH8BPK
 08282116 IOJK VERY STRONG 50.125 PE1LAU 07031711 PE1PVL J032FO S EH8BPK
 08282118 IOJK CQ... 50.125 G6YIN 07031721 PA0DUO J033NB S EH8BPK
 08282121 IOJK ROME 50.125 DJ3XD 07031722 PA0RDY J022 S EH8BPK
 08282154 IOJK >I092 50.125 G4AFJ 07100920 PA3GIN 599/599 ULI J021 S EH8BPK
 07181023 PA0ERA 07181023 PA0ERA J021 S EH8BPK
 07181025 PE1PKU 07181025 PE1PKU J021SS S EH8BPK
 07181031 PA3FJY 07181031 PA3FJY J021ES S EH8BPK
 07181033 PA3DXV 07181033 PA3DXV J021WA S EH8BPK
 07181036 PE1RDP 07181036 PE1RDP J021WA S EH8BPK
 07181038 PE1IVL 07181038 PE1IVL J021IS S EH8BPK
 07181053 PE1RFO 07181053 PE1RFO J021WS S EH8BPK
 07181102 PA2VST 07181102 PA2VST J022IN S EH8BPK
 07181111 PE1M2S 07181111 PE1M2S J021Z S EH8BPK
 07181112 PE1GKR 07181112 PE1GKR J0223S S EH8BPK
 07181113 PA3BLS 07181113 PA3BLS J022LM S EH8BPK
 07181114 PE1OTY 07181114 PE1OTY J022EL S EH8BPK
 07181116 PA0COR 07181116 PA0COR J022TA S EH8BPK
 07181118 PA3FJUH 07181118 PA3FJUH J033JF S EH8BPK
 07181119 PA3GTC 07181119 PA3GTC J032L S EH8BPK
 07181120 PE1LKLQ 07181120 PE1LKLQ J033GA S EH8BPK
 07181121 SM5C2K 07181121 SM5C2K J033JF S EH8BPK
 07181122 SP6ASD 07181122 SP6ASD J011SL S EH8BPK
 08040820 PA3GXV 50.151 SM5HJZ 07181931+SP5HEJ 559 H G4UPS
 08040831 PE1RDP 59++ 50.140 SM3VEE 07180818 SP8GKA K012 SM7FJE
 08040903 PA3GXV 57>JP73 50.150 SM3PQO 07180853+SP9ERV 59 H G4UPS
 08060842 PA3GND 50.140 G0PQO 07171104+SP7TEC 57, SP6HEI 55 H G4UPS
 08062019 PA3GSU 55 J033>J050 50.150 DL3AT 07180923 SP9AOR 59/59 STASZEK K000MA S G4UPS
 08091908 PA3DWD 57 J023 07180923+SP9BPRP SP9HWY 599 H G4UPS
 08151704 PE1M2S 59 J021 07180923+SP9QACH 59, SP9EYX 59 H G4UPS
 08151706 PE1MCD 59 J023 07180923+SP9QCT 59, SP8RHP 59 H G4UPS
 08151707 PA3DOL 52 J022 07180937 SR5SIX 599++ B G4UPS
 08151710 PA0COR 55 J023 07210937 SR5SIX 599++ B G4UPS
 08151720 PA3DWD 57 J023 07210949 SP5HEJ 59/59 MARK K002ME S G4UPS
 08151722 PA3GML 55 J022 07210950 SP5EJH/5 59/59 JACK K002ME S G4UPS
 08151724 PE1M7V 51 07210956 SP9KDA 57 H G4UPS
 08181645 PI7SIX 559-599 07210956 SP9KDA 57 H G4UPS
 08231510 PA0FW 50.150 SM5HJZ 07210956 SP9QACR 55 H G4UPS
 08242125 PI7SIX 599>JN71 50.053 B I7CSB 07211010+SP8QJG 55 H G4UPS
 08251640 PI7SIX J022NC>JN72 50.053 B IK6TJ 07211035 SO9KDJ 59/59 JOHAN J090KG S G4UPS
 08271514 PA1G0TC 50.142 PAJFBN 07211754+SP5HEJ 579, SR5SIX 569 B G4UPS
 08271515 GI4SNA 55A>I093 50.135 MOBNU 07212180+SP9DHQ 59, SP9BRP 599 H G4UPS
 08271531 GI00TC 51A J065>J021 50.122 PE1KXH 07271031 SP2MKO 59 H G4UPS
 08271648 GI3TLT 57A 50.099 G3ZSS 07271100+SR6SIX 559 B G4UPS
 08281912 PA2VST 599 CQ 50.109 EA7KW 07281011 SP6FUN TR W SM7AED
 08040922 SP6FUN 50.145 GM4ABB
 08040922 SP6FUN 1 J080>IN86GE 50.145 GM4ABB
 08041758 SP8RHP 50.125 HE90AB
 08061939 SP8RHP 50.128 PAJDXA
 08061939 SP8RHP 50.128 PAJDXA
 08061944 SP8VJYV 50.180 PA3DOL
 08061950 SP7TEC 50.185 PE1PKU
 08061953 SP7TEC 50.185 PE1PKU
 08061956 SP7TEC 50.185 PE1PKU
 08061956 SP7TEC 50.185 PE1PKU
 08062000 SP4YXJ 50.130 F1UWW
 08062001 SP7TEC 50.184 GLEUC
 08062008 SP5ASL 50.093 PA2VST
 08062009 SP8FHK 50.165 GLEUC
 08062019 SP9QACH J090G>J002PP 50.142 G3IOR
 08062020 SO5ASL 50.095 G3IOR
 08062022 SP7TEC 50.190 F1UWW
 08062022 SP7TEC 50.190 F1UWW
 08062022 SP6ASD 50.110 F5JKK
 08081743 SP2SGZ CLG CQ DX AFR 50.110 F5JKK
 08091918 SP6ASD 55/51 50.115 S LW5EJU
 08101430 SP6HEI CQ DX 50.110 SP6ASD
 08121050 SO9KDJ 50.110 4Z5JA
 08151111 SP1EOI 59 / 59 J073 S ON4KST
 08182228 SP2SGZ 55>I075 50.110 MM0AMW
 08222209 SP6ASD J081>JN72 55 50.125 IK6TJ
 08230741 SP9QACH >I092UA 50.125 G0PQO
 08230839 SP8SIX KNI9CN>I092 50.026 B 4GVPD
 08231838 SP6ASD 55>I091 50.125 G3SKR
 08231838 SP6HEI J081>I080 59 50.130 G8KRT
 08231905 SP9SOI JN90>I091 599 50.105 GORRJ
 08231932 SR5SIX K002OF 599 50.022 B PSJJK
 08231934 SP6ASD 599 50.105 F5JKK
 08232039 SP5PCC 50.106 SP6ASD
 08260619 SP8DWI 51 >JN71 50.115 I7CSB
 08271402 SP1CHV J084! 50.124 PA3FBN
 08271418 SP2BNJ J094 57A>J041 50.100 DK2PH
 08271435 SP1CHV J094 59A>J060 50.124 OK1DDO
 08271501 SP2SGZ 59A J082>J060 50.129 OK1DDO
 08281906 SP2SGZ J082>J041 50.107 DK2PH
 08281923 SP1NQN CQ CQ 50.110 IK7TRR

JERSEY IS.

07121140 GJ8RVT 57/58

IN89 S G4UPS

LATVIA

07041427 YL3AG/A 59001/59004 K006WL S Y07VS
 07041611 YL3AG/A K006 S SM7FJE
 07041612 YL3AG/A K006 W SM7AED
 07171758 YL3AG 599 H G4UPS
 07171837 YL2JN 33 H G4UPS
 07180923+YL2JN 57 H G4UPS
 07270950+YL2JN 57 H G4UPS
 07271129+YL2JN 599 H G4UPS
 08061933 YL2JN 53 K016>I074 50.120 G16ATZ
 08271211 YL3AG 59A>J081 50.113 SP6ASD
 08271218 YL3AG K026 50.112 SM5C2K
 08271220 YL3AG K026>J081 59A 50.112 SP6ASD

LIECHTENSTEIN

06261232 HBO/DL1FDH 59/59 TOM JN47TC S Y07VS
 07051806 HBO/PI4TUE 529/549 JN47 C ON4KST
 07100931 HBO/PI4TUE 599/579 JN47TK C Y07VS

LITHUANIA

07030934 LY2CG/A 579/559 K024PT C G4UPS
 07030939 LY2BH 579/579 K025DR C G4UPS
 07041435 LY2FE/P 59004/59003 K006VB S Y07VS
 07041436 LY2AT/P 59005/59007 K014JK S Y07VS
 07041457 LY2BA/P A 59025/59017 K024MS S Y07VS
 07041813 LY2AT/P 559 H G4UPS
 07041815 LY2BA/P 559 H G4UPS
 07050810 LY2SA 59033/59051 K014LL S Y07VS
 07050950 LY1KAS 59051/59118 K035DGS Y Y07VS
 07051619 LY2CG/A 579/559 K024PT C G4UPS
 07151700 LY2SA 559 H G4UPS
 07180923+LY2BZ 55 H G4UPS
 07191954 LY2FE 579/579 K0050Q C G4UPS
 08161713 LY2GF 59 / 59 K015 S ON4KST
 08270130 LY2WR K024>I091 144 AU W G4RGK
 08281925 LY2FE 57>JN63FW 50.130 T72EB

LUXEMBOURG

07051637 LX2DX 599/599 JEAN JN29WO C Y07VS
 07181801 LX1JX JN30AB 50.104 ON5SE
 08231855 LX1JX JN30AB 50.115 CT1EKF
 08271604 LX1JX JN30>J023TE 50.170 PA3GXX
 08291723 LX0SIX 50.023 B PA3BFM

MACEDONIA

07051202 Z1LJN 59 / 59 KN11 S ON4KST
 07051703 Z1LJN 59/57 CHRIS KN11PR S G4UPS
 07071603 Z1LJN 57/55 KN11CR S G4UPS
 07171909 Z32MA KN02 SM7AED
 08121654 Z31JA KN11 50.110 IW3RI
 08182231 Z31JA KN11CR>I092AJ 50.114 G6TQL
 08260740 Z31JA 55 KN11>I091 50.110 G7EXO
 08281924 Z31JA KN11CR>JN86FJ 50.103 9A2FJ
 08281927 Z31JA 50.122 OE2VEL
 08281943 Z31JA 59+ >JN53 50.122 IW5DAN
 08282000 Z31JA CQ 50.122 SP9SDS
 08282103 Z31JA KN11 CQ CQ 50.122 G3SKR

MALTA

07011030 9H1XT 55 H G4UPS
 07031414 9H5TO 59/55 TONY JM75GV S G4UPS
 07031425 9H3AY 59/52 GOZO JM76DA S G4UPS
 07050754+9H1GP 55, 9H1AZ 559 H G4UPS
 07050754+9H3AY 55, 9H5EE 55 H G4UPS
 07141345 9H1EL JM75 SM7AED
 07151847 9H1XT 59/53 JOHN JM75GV S G4UPS
 07201115 9H5IO JM75 SM7AED
 08041805 9H1XT JM75GV 50.165 O1KJL
 08042220 9H5IX >J033 50.025 PA00OS
 08042309 9H5IX 0100 50.024 PA00OS
 08050655 9H5IS 519 >J021 50.024 PA3GST
 08091752 9H5IP JM75 IVAN 50.180 PA0COR
 08231051 9H5IC 59 JM75>JN88 50.127 O3EMWS

MALTA, Sovereign Military Order of

07271100 1AOKM 50.142 S G3HBR
 07271715 1AOKM JN61 SM7FJE
 07271715 1AOKM JN61 SM7AED
 07271733 1AOKM 59 / 59 50.142 S G3HBR
 08011412 1AOKM S9 LONG BURST 50.140 W G3WOS

MOLDAVIA

07041448 ER1LW/P KN47 SM7FJE
 07051007 ER3R/P KN47 SM7AED
 07051029 ER3R/P KN47 SM7FJE
 07170903 ER5DX KN46 SM7AED

NETHERLANDS

06191018 PA3PFA 579/569 GERT J022JP C Y07VS

06191028 PA1AGJ 599/599 HUGO J020XX C Y07VS

06221544 PA3PHD 599/559 BERT J021DL C Y07VS

06221553 PA0LP 599/559 BERT J020WW C Y07VS

06230857 PA3EFC 57/59 PETER J022HA S Y07VS

06231018 PA3ADA 579/579 ERIC J022LJ C Y07VS

07101652 CT1FAK/P 57/57 RUI	IM57	S G4UPS	07171830 RA3RQT	K095	SM7FJE	07211751 YU1EU 599/599	KN04	C G4UPS
07101654 CT98AVR 57/57 VEIGA	IN50TE	S G4UPS	07180808 RV3ANU/P	48 /59	S ON4KST	07211751+YU7AU 59, YU1HQR 59	H G4UPS	
07121820 CT0WW, CTOSIX 599		B G4UPS	07191801 UV5QZ		SM7FJE	07211754 YU1AU 59/59 ZIKA	KN04CP	S G4UPS
07121838 CT1CLR 59/59 DOM	IN50QP	S G4UPS	07191805 UV5QZ		KN77	07211754+YU1SIX 579	B G4UPS	
07121855 CT1HB 55	H G4UPS		08041649 UV1HY	599/599	K060	07220805 YU	H SM7AED	
07121918 CT/F6EPY 59/59 ROGER	IM58R	S G4UPS	08061847 UV1HY		C ON4KST	07271707 YU1HQR	JN94	SM7AED
07151155 CT0SIX, CT0WW 599	H G4UPS		08061848 UV1HY	50.096	ON4ANT	07271803 YT1AU 339		
07151242 CT1FQK 59/57 MARK	IM57C	S G4UPS	08061939 UV5HZ	KN77>IO90	50.104	07271807 YU1AU		
07151812 CT1EKF	IN50SU	S EH8BPK	08061942 UV5QZ	KN77MT>IO90	50.117	07271808 YU1AU		
07181210 CT0WW 599	B G4UPS		08062026 UV5QZ	KN77 52 QSB	50.118	07271809 YU1AU		
07181220 CTOSIX 599	B G4UPS		08141346 UV1HY	K060MA	50.126	07271810 YU1AU		
07181226 CT1DHM 59 WKG OZ	H G4UPS		08150809 UV5QZ		DA0ND	07271811 YU1AU		
07181733 CT0WW 579	H G4UPS		08180929 UV1HY	K060MA	50.122	07271812 YU1AU		
07181837 CTOSIX 599	B G4UPS		08230802 UV1WJ	KO47>J060	50.101	07271813 YU1AU		
07181858 CT1DYX 59+ CT1CLR 59	H G4UPS		08230807 UV1WJ	KO47>J061	50.101	07271814 YU1AU		
07182327 CT4OP	IM59PF	S EH8BPK	08230819 UV1WJ	KO47>J061	50.101	07271815 YU1AU		
07190745 CT0WW	IN61	B SM7AED	08261815 UV5QZ	KN77>JN87	56	07271816 YU1AU		
07191146 CT4OP	IM59PF	S EH8BPK	08261819 UV5QZ	KN77MT>JN86EH	50.116	07271817 YU1AU		
07200835 CT0WW -1520	IN61	B SM7AED			9A8A	07271818 YU1AU		
07200935 CT0WW 599, CT1HB 59	H G4UPS					07271819 YU1AU		
07201437-CT1DYX 59	H G4UPS					07271820 YU1AU		
07201930 CT1CLR 55	H G4UPS					07271821 YU1AU		
07211531 CT1DYX	IN51PE	S EH8BPK				07271822 YU1AU		
07211531 CT1HB	IN50XS	S EH8BPK				07271823 YU1AU		
07271230 CT0WW	IN61	B SM7AED				07271824 YU1AU		
07271235 CT0WW, CTOSIX 599	B G4UPS					07271825 YU1AU		
08011104 CT0WW 559>J053	50.030	B DL1SUZ				07271826 YU1AU		
08011350 CT0WW 57 >JN49	50.031	B DL9GU				07271827 YU1AU		
08011437 CT0WW WEAK>J033	50.030	B PA3HBH				07271828 YU1AU		
08021003 CT0WW MS UP>5 SEC	50.030	B PE1RDP				07271829 YU1AU		
08031534 CT0WW 559>J081	50.030	B SP6ASD				07271830 YU1AU		
08041015 CT1BHQH	50.095	S SM5HJZ				07271831 YU1AU		
08041029 CT1BHQH 599 IM59>JP81	50.094	S SM3VEE				07271832 YU1AU		
08041033 CT0SIX 559 >KP07	50.031	B SM2HTM				07271833 YU1AU		
08041042 CT1HB 59 IN50>JP81	50.180	S SM3VEE				07271834 YU1AU		
08041409 CT0WW 579>J081	50.030	B SP6ASD				07271835 YU1AU		
08041448 CT VIDEO >EM10	V W6JKV/5					07271836 YU1AU		
08041546 CT0WW 59+>IO90	50.030	B GB3RN				07271837 YU1AU		
08050100 CT0WW 579 >IO93	50.030	B GG5YIN				07271838 YU1AU		
08061037 CT0WW 379 >IO93	50.030	B G7LXK				07271839 YU1AU		
08062054 CT0WW 559+>JN46	50.030	B HB9QAB				07271840 YU1AU		
08062056 CS0SIX 559+>JN46	50.031	B HB9OAB				07271841 YU1AU		
08062109 CT0WW IN61>J081 599	50.030	B SP6ASD				07271842 YU1AU		
08062119 CT0WW >J081	50.030	B SP6ASD				07271843 YU1AU		
08062242 CT0WW 599 >IO80	50.030	B GB8KRT				07271844 YU1AU		
08071513 CT0WW JM78QF 599	50.030	B IW9CER				07271845 YU1AU		
08112043 CT0WW 57	50.028	B ON1IM				07271846 YU1AU		
08112048 CT4KQ	50.105	B PA2VST				07271847 YU1AU		
08112110 CT0WW 589>J001	50.030	B GO1RW				07271848 YU1AU		
08121205 CT0SIX >FN20	50.031	B W3BO				07271849 YU1AU		
08121654 CT0WW 559+JN65VO	50.030	B IV3LNQ				07271850 YU1AU		
08141136 CT0SIX WEAK W/ QSB	50.032	B VE1LW				07271851 YU1AU		
08171620 CT0WW, CT0SIX 579	50.030	B G8KRT				07271852 YU1AU		
08211922 CT0WW >JN65TX	50.030	B SS5F				07271853 YU1AU		
08212000+CT > IO90 > >2100	50.030	B GO0PE				07271854 YU1AU		
08212050 CT0WW 599 IN61>IN89	50.030	B GU7DHI				07271855 YU1AU		
08231749 CT1BES CQ DX	50.110	B PA00OS				07271856 YU1AU		
08231802 CT0SIX 599+J010	50.031	B ON1LGS				07271857 YU1AU		
08231805 CT0WW, CTOSIX LOUD	50.030	B ON4GG				07271858 YU1AU		
08231817 CT1DNU IN50>J020 59	50.120	B ON4GG				07271859 YU1AU		
08231905 CT0SIX 559+IO91	50.031	B G0RJR				07271860 YU1AU		
08231948 CT0WW IN61GE>JN48 55950.030	B DF4UE					07271861 YU1AU		
08241017 CT0WW 557 JN61	50.030	B IW0GIV				07271862 YU1AU		
08241047 CT0WW 55 QSB JN45	50.030	B IW1CAA				07271863 YU1AU		
08241059 CT0WW JN47 59	50.030	B HB9PQW				07271864 YU1AU		
08241605 CT0WW > J081	50.030	B SP6ASD				07271865 YU1AU		
08241815 CT1CBI	50.115	B ON9CFB				07271866 YU1AU		
08241815 CT98CBI	50.115	B L1XJX				07271867 YU1AU		
08251448 CT0WW 559 JN61	50.030	B IW0GIV				07271868 YU1AU		
08281831 CT0WW 579	50.030	B IK00Y				07271869 YU1AU		
08281946 CT0SIX 519>JN48	50.031	B DL2GBT				07271870 YU1AU		
08291036 CT0WW 555>J022	50.030	B PA2VST				07271871 YU1AU		
08291400 CT0WW 559 >JN65VO	50.030	B IV3LNQ				07271872 YU1AU		
08291714 CT0WW 549	50.030	B IT9RZR				07271873 YU1AU		
ROMANIA						07271874 YU1AU		
07050929 Y08WN	KN36	S SM7FJE				07271875 YU1AU		
07051015 Y08KV5/P	KN36	S SM7AED				07271876 YU1AU		
07051535 Y08BPY 57 / 59	KN37	S ON4KST				07271877 YU1AU		
07071539+Y07VS 559	H G4UPS					07271878 YU1AU		
07080644 Y07VS, Y07VJ	KN14	S SM7AED				07271879 YU1AU		
07150833 Y07AQF	KN24	S SM7AED				07271880 YU1AU		
07151723 Y07AUL 55	H G4UPS					07271881 YU1AU		
07171834 Y07AOT 59 / 59	KN14	S ON4KST				07271882 YU1AU		
07172041 Y05CRQ 59 / 55	KN17	S ON4KST				07271883 YU1AU		
07180739 Y04NF	KN44	S SM7AED				07271884 YU1AU		
08040724 Y04CIS 59+ KN43>J033	50.130	PA00OS				07271885 YU1AU		
08041805 Y04AUL 57 KN44>J011	50.120	ON7EG				07271886 YU1AU		
08041810 Y07VS CW	50.098	ON5SE				07271887 YU1AU		
08050643 Y04FYQ KN44HE	50.112	S S3VV				07271888 YU1AU		
08050648 Y04FYQ S7 KN44>JN26	50.110	F8OP				07271889 YU1AU		
08050705 Y04FYQ 55 WITG G	50.110	G7EXO				07271890 YU1AU		
08050715 Y03KJW 559 KN43>J060	50.073	OK1PPD				07271891 YU1AU		
08050720 Y03KJW 559 KN43>JN45	50.075	IW1CAA				07271892 YU1AU		
08050728 Y04FYQ 55 KN44	50.135	IW1CAA				07271893 YU1AU		
08050728 Y07VJ 59 KN14	50.135	IW1CAA				07271894 YU1AU		
08061953 Y04AUL 50.110 B PA3HBH	PA00HS					07271895 YU1AU		
08062008 Y04AUL 59 KN44>JN19	50.110	F1UWW				07271896 YU1AU		
08062015 Y07AQF KN34 >JN19	50.135	F1UWW				07271897 YU1AU		
08062049 Y04AUL KN44HE>JN25XU	50.110	FIGCX				07271898 YU1AU		
08150940+Y07AQF KN14>IO90AT Es	144	W GO0FE				07271899 YU1AU		
08190833 Y08BPY 552 J022	50.102	P08ANX				07271900 YU1AU		
08230723 Y08BPY KN37TE>J022KJ	50.100	PA0RDY				07271901 YU1AU		
08281912 Y02DM	50.120	OZ5AGJ				07271902 YU1AU		
08281912 Y04FRJ/P59+JN34>JN54	50.120	IW4BET				07271903 YU1AU		
08281922 Y07AQF KN24KU>J022FE	50.122	PE1RSR				07271904 YU1AU		
08281928 Y02QC/P KN155>J022FE	50.140	PE1RSR				07271905 YU1AU		
08281929 Y07AQF 559+>JN53	50.150	IW5DAN				07271906 YU1AU		
08281946 Y02IS JN62>KN05	50.110	IW0EUI				07271907 YU1AU		
08282010 Y02QC/P KN15>IO92	50.140	G4VFD				07271908 YU1AU		
RUSSIAN FEDERATION (Europe)						07271909 YU1AU		
07050945 UA1WJ 599049/599000	KO47EU C	Y07VS				07271910 YU1AU		
07051052 UY5ZZ	KN77	S SM7AED				07271911 YU1AU		
07051052 UY5ZZ	KN77	S SM7AED				07271912 YU1AU		
07211751 YU1EU 599/599						07271913 YU1AU		
07211754 YU1TAU 59, YU1HQR 59						07271914 YU1AU		
07211754+YU1SIX 579						07271915 YU1AU		
07211754+YU1SIX 579						07271916 YU1AU		
07211754+YU1SIX 579						07271917 YU1AU		
07211754+YU1SIX 579						07271918 YU1AU		
07211754+YU1SIX 579						07271919 YU1AU		
07211754+YU1SIX 579						07271920 YU1AU		
07211754+YU1SIX 579						07271921 YU1AU		
07211754+YU1SIX 579						07271922 YU1AU		
07211754+YU1SIX 579						07271923 YU1AU		
07211754+YU1SIX 579						07271924 YU1AU		
07211754+YU1SIX 579						07271925 YU1AU		
07211754+YU1SIX 579						07271926 YU1AU		
07211754+YU1SIX 579						07271927 YU1AU		
07211754+YU1SIX 579						07271928 YU1AU		
07211754+YU1SIX 579						07271929 YU1AU		
07211754+YU1SIX 579						07271930 YU1AU		
07211754+YU1SIX 579						07271931 YU1AU		
07211754+YU1SIX 579						07271932 YU1AU		
07211754+YU1SIX 579						07271933 YU1AU		

Reports of N. America

This month's TV and FM DX reports were submitted by Danny Oglethorpe of Schreveport, LA; Jeff Kruszka, Baton Rouge, LA; Pat Dyer, WA5IYX, of San Antonio, TX; Randy Miltier, K7RPM, Ashland, OR; Mike Cherry, VE7SKA, Salt Spring Is., BC Canada; and Jeff Kadet, K1MOD/9, Macomb, IL.

NORTH AMERICA, General

08160500+NAM TV VID 61.250/61.260 V ZK1AA
08160500+NAM TV VID 55.260(2)/55.245 V ZK1AA
08192140 NAMERICA VIDEO>GP36 55.250 B 0X3LX

North American Waters

08010004 WLPL/MM EK79 50.130 W5ZN
08010032 WLPL/MM EK89>EL49 50.121 WA5RT
08010034 WLPL/MM EK89 50.121 W4DR
08010042 WLPL/MM EK89>EM79 50.121 N8ZJN
08010045 WLPL/MM EK89 50.121 N5JHV
08010058 WLPL/MM EK89>EN91 50.121 K3TLP
08010114 WLPL/MM EK89 50.121 W8UV
08010200 WLPL/MM EK89 50.121 W5ZN
08010210 WLPL/MM EK89>EN53 50.121 WF9X
08010308 WLPL/MM EK88>EL49 50.125 WA5RT
08010309 WLPL/MM EK88>EM13 50.121 W5LUA
08042316 WLPL/MM EK87>EL87RH 50.125 W K04ESV
08072042 WLPL/MM EK06>EM21 50.125 W WA5JCI
08170442 WLPL/MM CM85>DN17 50.155 N7EIJ
08200725 WLPL/MM CM79>CM87 50.125 N9JIM/6

ALASKA

08070552 KL7NO BP54 40° AUE 50.125 H VE7SKA
08070559 KL7NO >CN87 AURORAL 50.125 W7KQU
08070607 KL7NO BP54>D033 AUE 50.125 V6GMK
08110430 EK79NO BP54>DN70MQ 50.125 K0GU
08110430 WL7YF BP71>CN85 50.125 H N7DB
08110445 WL7YF BP71>CN85 50.125 H KOGU
08160335 KL7PAZ 58 >EN13 50.125 K0WLU
08200325 KL7NO WKG W6,7 50.125 NOXX/7
08200337 KL7NO BP54>DM43- 50.119 H AA7A
08200406 KL7NO BP54>CM87 50.125 N9JIM/6
08200408 KL7NO BP54>CN88 50.120 N6JV
08210338 KL7NO BP54>CN87 50.125 W7KQU
08210342 KL7PZ BP51>CN88 50.130 VE7SKA
08210342 KL7NO BP54>CN88 50.125 VE7SKA
08210354 KL7NO BP54>DO20 50.125 VE6PY
08210542 KL7NO >CN87 >2 HRS 50.125 W7KQU
08210543 KL7PZ >CN87 >2 HRS 50.130 W7KQU
08210617 KL7HQF BP51>CN87 50.111 W7KQU
08210618 AL7EB BP40>CN87 50.112 W7KQU

BAHAMAS

08011452 C6AFP FL16>FN44 50.062 B K1TOL
08121436 C6AFP FL16>FN31 50.062 B W3EP/1
08121447 C6AFP FL16>FN42HE 50.062 B K1DAT
08121615 C6AFP FL16>FN20 50.062 B W3BO
08121629 C6AFP FL16>FN44 50.062 B K1TOL
08172247 C6AFP FL16>EM79 50.062 B N8ZJN
08172314 C6AFP FL16>FM29 50.062 B WA3WUL
08172325 C6AFP FL16>EM69 50.062 B K1JC9
08291456 C6AFP FL16>FM29 50.063 B W3JO

CANADA, Eastern

07072017 VE1ZZ FN84 S EH8BPK
07072023 VE1YX FN74P S EH8BPK
07072048 VE1RJ FN84 S EH8BPK
07072127 VE1ZZ 579/529 JACK FN84 C G4UPS
07072141 VE1YX 579/579 JOHN FN95 C G4UPS
07072207 VE1SMU 449->569 -2232 B G4UPS
07072225 CKVR 3 ON >B.R.LA 1130 T KRUSZKA
07072230 VE9AA 559/559 MIKE FN65 C G4UPS
07122150 VE2PEP FN46 S EH8BPK
07122152 VE9AA FN65RR S EH8BPK
07122208 VE1CSM FN75 S EH8BPK
07122209 VE1DQ FN84 S EH8BPK
07221145 VE1DQ 53 / 54 FN84 S ON4KST
07221150 VE1YX 559/549 FN84 C ON4KST
07311948 CBX 2 ON > LA 1098 T OGLETHO
07312108 CKPR 2 ON > LA TBT 1130 T OGLETHO
07312145 CHRO 5 ON > LA 1287 T OGLETHO
07312217 CBPF 2 PQ > LA 1414 T OGLETHO
07312222 CII12 2 ON > LA 1225 T OGLETHO
07312243 CBLT 5 ON > LA 1103 T OGLETHO
07312248 CKC02 2 ON > LA 1103 T OGLETHO
07312311 CJOH 6 ON > B.R.LA 1225 T KRUSZKA
07320021 CIII 6 ON > B.R.LA 1230 T KRUSZKA
07311948 CBX 2 ON > LA 1098 T OGLETHO
07312108 CA1DPB FN58>FN44 50.125 K1TOL
08030132 VE3MRH EN77>D021 50.125 VE6XT
08040258 VE3WNO FN03>EM18 50.175 K5BZM/0
08040301 VE3WT FN03>EM55 50.150 KU4AR
08040329 VE3OTL EN76>EM55 50.125 KU4AR
08040337 VE3DOY FN03>EM18 50.200 K5BZM/0
08040337 VE3WNO FN03>EM18 50.150 K5BZM/0
08041551 VE3WDX 57 EN29>FN20 50.125 N3YGA
08041810 VE3TPX FN03>EM18 50.125 K5BZM/0
08042220 VE3OJI EN83 115' 50.140 S VE7SKA

07071550 EH3ADW 59/55 JERY JN11 S Y07VS 07271129+SM5CZK 599 H G4UPS
07071752 EH2LH 59/59 HENRY IN93AH S Y07VS 07271201 SM7FJE 59/59 BO J065 S G4UPS
07081851 EH7KW IM67XI S EH8BPK 08040807 SM7VHS 50.133 PA2VST
07121838+EH5UB 59 H G4UPS 08041136 SM7GWI J078>J099 50.100 SM5HJZ
07121845 EH5GMI 51/51 STEFAN IM997L S G4UPS 08041807 SM2THM KP07IE>JN52 50.125 IZ5EME
07121906 EH5BIF 559/59 JUAN IM99XX S G4UPS 08060942 SM3RPJ JP74>JP81 50.115 SM3GSK
07151314 EH5CHT IM97EK S EH8BPK 08061245 SM7OXP LARS 55A>J066 50.097 DJ6TK
07151331 EH1KV/P IM520G S EH8BPK 08061946 SM3RPQ 59 JP74>J042 50.157 DL90BD
07151341 EH1AHP IN52RU S EH8BPK 08061950 SM0NCL >J059 50.142 HB90AB
07171047 EH7KW 599/599 IN72 S G4UPS 08062013 SM3GSK JP81 50.195 PA3GML
07181005 EH1TA IN53SI S EH8BPK 08062042 SM7CMV J075AM>JN25XU 50.136 F1GCX
07181006 EH1DAX IN53TH S EH8BPK 08062248 SM3KSI 52 AU JP71X 50.070 B PA000S
07181021 EH4EED IM68MU S EH8BPK 08141038 SM2HTM KP07>I092 50.126 MOKAD
07181039 EH4BPJ/1 IN72HU S EH8BPK 08170908 SM3KSI 599 >2 HRS 50.070 B GM0EFT
07181053 EH4BPJ/P IN72 S G4UPS 08182145 SM7CMV J075AM>I092AJ 50.125 G6IQL
07181055 EH3ME 59 IN72 S G4UPS 08202204 SM2HTM 50.130 OZ1CDE
07181057 EH4BPJ/P IN72 S G4UPS 08221218 SM2HTM 50.110 0X3LX
07181058 EH7AH IM67OG S EH8BPK 08230944 SM3GSK JP81JE 50.120 IW3GRN
07181101 EH1KV IN52 S EH8BPK 08231024 SM0GJK 59>J011 50.145 PD0HCV
07182331 EH7AH IM67OG S EH8BPK 08231043 SM7FJE 57 CLG CQ 50.110 H G4VPD
07201250 EH5UB JM08 SM7AED 08231102 SM3EQY JP81FI>JN86EH 50.109 9A8A
07201305 EH5SUB 57 H G4UPS 08251837 SM0KU 59 JP099>J021 50.130 PE1PZS
07201309 EH5DNO 57/56 RAY IN99XX S G4UPS 08261554 SM6CMU 55A>1091 50.100 G3SKR
07201358 EH4BPJ/P 59/59 JOSE IN72HU S G4UPS 08261575 SM3EQY 59A 50.130 MM1BUO
07201437+EH7AJ 59 H G4UPS 08262302 SM3EQY 50.110 G6YIN
07201824 EH1AGZ/P 59/59 IN71 S G4UPS 08271210 SM5HJZ 59A+20DB>KO29 50.095 SP6ASD
07271250 EH1DAV IN53 S G4UPS 08271213 SM5CZK 59A>J081 50.114
07271336 EH1KV 599/599 IN72 S G4UPS 08271213 SM7FJE 57A >J021JO 50.118 PE1MZS
07281910 EH1TA IN53SI S EH8BPK 08271356 SM7WCK 59A>J031 50.135 DJ4AX
08011055 EH1EH IN82>J045 IN53 S G4UPS 08271502 SM7AED J065>JN48 50.118 DL2GBT
08040801 EH3/EH1BLA JN01>J022 50.157 PA2VST 08271522 SM7FJE J065>J070 50.118 OK1ACF
08041108 EH1DAV 559 IN53>JP81 50.102 SM3VEE 08271602 SM7YU 55A J065>J060 50.160 OK1DDO
08041525 EH7AH WKG UK 50.125 EA7URE 08281913 SM3EQY 50.110 HB99IN
08061940 EH4BAS/P IM98TL 59 50.125 HB90AB 08281926 SM3KSI JP71>JN48 559 50.070 B DF4UE
08062058 EH7BD IM77OV 50.132 HB90AB 08281939 SM7URQ 59 >JN53 50.118 IW5DAN
08062235 EH4AV IM88>I093 50.112 G6YIN
08081752 EHJH CQ 50.107 SP6ASD
08081755 EH5CJ 50.120 SP6ASD
08131915 EH7KW 50.115 G7BKV
08141038 EH4BPJ/P IN72>I092 50.130 MOKAD
08141233 EH1DRV 50.104 W3EP/1
08141236 EH2LZU CLG CQ 50.106 WIJWM
08141241 EH2LZU IN92 50.105 C W4DR
08190853 EH4BAS/P 59 IM98TL 50.131 GU7DHI
08190901 EH5FKW IM98PG>IN89RL 50.120 GU7DHI
08211925 EH1EH CQ CW 50.109 S59F
08212000+EH > I090AT >2100 GOOFE
08231931 EH5DNT IM99XX 50.121 ON4GG
08232024 EH1EH CQ SIX 50.112 SP6ASD
08232045 EH3CUU CQ 50.106 SP6ASD
08240810 EH4BAS/P 59>I090 50.110 G3IBI
08241113 EH1DAV IN53>JN86 50.110 9A8A
08241811 EH5FKW IM98 50.110 ON4GG
08241813 EH5AAJ IM99 50.130 ON4GG
08241818 EH5VSD 57 QSB 50.130 PE1RSR
08241820 EH5AAJ IM99SL>I092UA 50.165 G0POO
08251532 EH4BAS/P IM98>J022 50.110 PA3BFM
08290941 EA/VIDEO >BAND 48.250 V PA3BFM

SWEDEN

06190718 SM6VYK 59/59 TOMAS JO68EG S Y07VS 06190718 SM7HJZ 599 H G4UPS
06191100 SM7BYU 59/59 S599579 JO65LS C Y07VS 06190719 SM7FJE 599 H G4UPS
06230637 SM7WDS 59/59 GEORGE JO66WS S Y07VS 06190720 SM7FJE 599 H G4UPS
06280845 SM7VKS 59/59 TORSTEN S Y07VS 06190721 SM7FJE 599 H G4UPS
06300854 SM3BIU 59/59 BAS JP73ST C Y07VS 06190722 SM7FJE 599 H G4UPS
07020734 SM7AED 59/59 J065 S G4UPS 06190723 SM7FJE 599 H G4UPS
07031000 SM7AED 59/59+ 2055 B G4UPS 06190724 SM7FJE 599 H G4UPS
07031161 SM3JGG 59/59 STAFFAN JP71IJ S G4UPS 06190725 SM7FJE 599 H G4UPS
07031703 SM3EQY JP71FPI S EH8BPK 06190726 SM7FJE 599 H G4UPS
07040745 SM7AED 339 WKG G3CCH H G4UPS 06190727 SM7FJE 599 H G4UPS
07041443 SM5NVF 59008/59005 JO89NP S Y07VS 06190728 SM7FJE 599 H G4UPS
07041452 SM0STC 59012/59001 JO99CF S Y07VS 06190729 SM7FJE 599 H G4UPS
07050822 SM7BAE 59036/59002 JO65OP S Y07VS 06190730 SM7FJE 599 H G4UPS
07050843 SM7FJE 59041/590032 JO65ML C Y07VS 06190731 SM7FJE 599 H G4UPS
07050923 SM0MFT 59043/57004 JO89VJ S Y07VS 06190732 SM7FJE 599 H G4UPS
07050925 SM5WPW 40440/55053 JO89HQ S Y07VS 06190733 SM7FJE 599 H G4UPS
07051004 SM7BZK 59053/59003 JO86GQ S Y07VS 06190734 SM7FJE 599 H G4UPS
07051013 SM6CMU 59056/59005 JO57XK S Y07VS 06190735 SM7FJE 599 H G4UPS
07051047 SM7UZB 59058/55002 JO87ET S Y07VS 06190736 SM7FJE 599 H G4UPS
07051053 SM0GJK 59059/59003 JO99IU S Y07VS 06190737 SM7FJE 599 H G4UPS
07051103 SM7FIG 59060/59009 JO78LA S Y07VS 06190738 SM7FJE 599 H G4UPS
07051150+SM1BSA 559 H G4UPS 06190739 SM7FJE 599 H G4UPS
07051608 SM5WPW 59/59 MICHAEL JO89HQ S G4UPS 06190740 SM7FJE 599 H G4UPS
07080644 SM7AED 59/59 ARNE J065 S Y07VS 06190741 SM7FJE 599 H G4UPS
07100740 SM7AED 57/59 ARNE J065 C G4UPS 06190742 SM7FJE 599 H G4UPS
07120746 SM7AED 57/59 J066 C G4UPS 06190743 SM7FJE 599 H G4UPS
07130740 SM7AED 57/59 J066 S G4UPS 06190744 SM7FJE 599 H G4UPS
07171522 SM7AED 59/59 ARNE J065 S G4UPS 06190745 SM7FJE 599 H G4UPS
07171540 SM6CMU 59/59 INGO C G4UPS 06190746 SM7FJE 599 H G4UPS
07171545 SM7KVN 59/59 LEIF JO88MW S G4UPS 06190747 SM7FJE 599 H G4UPS
07171605 SM3JGG 59/59 S44PS B G4UPS 06190748 SM7FJE 599 H G4UPS
07171624 SM3JGG 59/59 STAFFAN JP71 C G4UPS 06190749 SM7FJE 599 H G4UPS
07171650 SM7FJE 59/59+ BO J065 S G4UPS 06190750 SM7FJE 599 H G4UPS
07171857 SM7AED 59/57 ARNE J065 S G4UPS 06190751 SM7FJE 599 H G4UPS
07171919 SM7NIT 55, SM7WCZ 59 H G4UPS 06190752 SM7FJE 599 H G4UPS
07181052 SM7BAE J065OP S EH8BPK 06221536 SM3WRE 579/559 H G4UPS
07181057 SM7FJE J065 S EH8BPK 06221537 SM3WRE 579/559 H G4UPS
07181109 SM2HTM KP07IE S EH8BPK 06221538 SM3WRE 579/559 H G4UPS
07200736 SM7AED 559/449 MS C G4UPS 06221539 SM3WRE 579/559 H G4UPS
07210738 SM7AED 599/459 MS C G4UPS 06221540 SM3WRE 579/559 H G4UPS
07220723 SM7BOU 59/57 JO66 S G4UPS 06221541 SM3WRE 579/559 H G4UPS
07220733 SM7AED 559/459 C G4UPS 06221542 SM3WRE 579/559 H G4UPS
07221020 SM3SIX 559 B G4UPS 06221543 SM3WRE 579/559 H G4UPS
07221024 SM3GSK CLAS JP81JE W G4UPS 06221544 SM3WRE 579/559 H G4UPS
07230735 SM7AED 559/339 C G4UPS 06221545 SM3WRE 579/559 H G4UPS
07240734 SM7AED 559/559 C G4UPS 06221546 SM3WRE 579/559 H G4UPS
07250734 SM7AED 559/449 C G4UPS 06221547 SM3WRE 579/559 H G4UPS
07260745 SM7AED 599/599 C G4UPS 06221548 SM3WRE 579/559 H G4UPS
07270938 SM7HJD 599/599 GORAN J087HS C G4UPS 06221549 SM3WRE 579/559 H G4UPS
07270950 SM7TZK 59 H G4UPS 06221550 SM3WRE 579/559 H G4UPS
07271100+SM3GSK 57, SK3SIX 559 H G4UPS 06221551 SM3WRE 579/559 H G4UPS
07271128 SM7RMA 59 H G4UPS 06221552 SM3WRE 579/559 H G4UPS

08042235 VE3AX	FN02 115	50.178	S	VE7SKA	08042221 VE6XT	DO21>FM29	50.150	WA3WUL	07032349 XHBS	4 SIN>B.R.LA	1130	T	KRUSZKA
08050121 VE2PEP	FN46>EM55	50.150	KU4AR	08042227 VE7AGG	CN89>FM08	50.150	K4RTS	07052229 XHG	4 JAL>B.R.LA	1020	T	KRUSZKA	
08050129 VE3MRH	EN7>EM63	57	50.140	KE4FRZ	08042301 VE4VHF	EN19 599+	50.036	WA8RJF	07142020 X	2 XHG>5 > IL		T	K1MOD/9
08050248 VE9AA	FN65>EM23	50.133	N15M	08050011 VE5SF	DO70	50.125	NCN7K	07152317 unid	3,4,5 XEW>B.R.LA		T	KRUSZKA	
08051001 VE1ZJ	FN95 CW	50.126	W4DR	08050021 VE5SF		50.125	NCN7K	07160117 XHG	4 JAL>B.R.LA	1020	T	KRUSZKA	
08051401 VE3DSE	FN03>EM90	50.135	KD4MWO	08052356 C???	2 MB Winnipeg > IL	T K1MOD/9		07170251 XEFE	2 TA > IL		T	K1MOD/9	
08051452 VE3TMG	EN82>EM90	50.150	KD4MWO	08060204 CKCK	2 SK > IL	T K1MOD/9		07202020 XHBC	3 BC	778	T	K7RPM	
08052215 C???	2z On Toronto > IL		T K1MOD/9	08060140 VE4VHF	EN19>EM55	50.037	B KU4AR	07311815 unIDs	2,4 MEXICO>LA		T	OGLETHO	
08052243 CFAP	2 PQ > IL		T K1MOD/9	08060152 VE4VHF	EN19>FN43	50.036	B WA1T	07320145 X	2 > IL		T	K1MOD/9	
08060057 VE1YX	FN74>DM43	50.177	AA7A	08060155 VE4AS	EN29>EM55	50.207	KU4AR	08010010 XETRA-	BCN Tijuana	91.1	F	WA5IYX	
08060120 VE1YX	FN74>DN74	50.177	K7TNT	08060156 VE6XT	>CM87	50.125	H KB6NAN	08010013 XHMR	BCN Tijuana	92.5	F	WA5IYX	
08060158 VE3WMX	FN29>FN10	57	50.135	N3XJX	08060206 VE4AQ	EN19>EM28	50.140	KILO	08010014 XHBC	3 BCN Mexicali		T	WA5IYX
08060207 VE3MBI	EN89>EM55	50.135	KU4AR	08060219 VE4IN/M	EO01>EN82	50.133	W7JW	08032310 XE2UZL			B	XE2HWB	
08060244 VE3WMX/P	EN29>FM19	50.137	K3SX	08060222 VE4CP	EO00>FN10	50.180	N3XJX	08032318 XE1KK			B	XE2HWB	
08060253 VE3WMX/P	EN29>FN20	50.137	K2XX	08060247 VE4MBQ	EN19>FN03	50.125	VA3MW	08051838 XE2UZL	DM10 175	50.027	B	VE7SKA	
08060926 VE3JBL	FN03>FM19 AU	50.058	B K3SX	08060310 VE4AQ	59	50.135	W2KKE	08081419 XE1KK	EK90>DM43	50.023	B	AA7A	
08061035 VE1SMU	FM EAST TO W	50.001	B K1TOL	08060393 VE4VHF	EN16>FN44 AUR	50.036	B K1TOL	08091846 XE2UZL	DM10>FM29	50.028	B	WA3WUL	
08061155 VE3JBL	FN03>FM29 AU	50.059	B WA3WUL	08061303 VE4VHF	AU	50.035	B N7EIJ	08091854 XE2UZL	DM10>EN90	50.027	B	W3HJ	
08061234 VE3JBL	FN49>FN43 AU	50.125	KA1A	08061304 VE6EMU	AU	50.039	B N7EIJ	08092050 XE3RCM	53	50.027	B	LW5EJU	
08061303 VE3JBL	AU FN03>FN43	50.058	B KA1A	08061306 VE6ARC	AU DO05>DN17	50.042	B N7EIJ	08140217 XE2UZL	DM10	50.028	B	NJ2L	
08062248 VE3BW	AURORA FN03	50.125	W1JR	08062333 VE6EMU	DO33>D021 AUR	50.040	B VE6XT	08161608 XE2UZL	>CN85		B	N7DB	
08070517 VE3CTT	FN07>EN79 52A	50.130	N8ZJN	08062334 VE6/VE2SWL	D021 50	50.125	VE7SKA	08180451 XE2UZL	>EM00	50.028	B	N5TSP	
08080223 VE3/W9DNI	EN29>EM83	50.125	N4CPM	08062335 VE7SKA	CN88>D021 AUR	50.125	VE6XT	08180531 XE2UZL	559 >DN17	50.028	B	N7EIJ	
08091307 VE3 FN04>EM95OE			N4JAZ	08062339 VE7AGG/P	C090 50' AU	50.125	VE7SKA	08202009 XMPBX AUR		50.125	W	VE3CTT	
08091609 VE3XTH		50.125	KJ9I	08070449 VE6EMD	D033 60' AU	50.041	B VE7SKA	08232155 XE1KK	59	50.023	B	LW5EJU	
08092154 VE3JBL	FN03>EM55 539	50.059	B W4DUP	08070501 VE7AGG/7	D000 60' AU	50.127	C VE7SKA	08232200 XE1/G3SVD	59 ANDY	50.125	S	LW5EJU	
08092200 VA3DPB	EN48>EM90	50.125	KD4MWO	08070505 VE4VHF	AUR-E	50.036	B K1TOL	08232220 XE3RCM	55	50.035	B	LW5EJU	
08120215 VE1IW		50.180	KJ9I	08082111 VE7AGG/7	D001 60' TR	50.135	S VE7SKA						
08120237 VE1IW	FN48>EN50	50.180	N1HRW/9	08100317 VE4VHF	EN19>FN44	50.036	B K1TOL						
08120241 VE1IW	ARNIE FN84	50.180	KD4JXX	08100547 VE6BMW	DO31>DM62	50.125	N5JHV						
08120301 VE2BKL	FN48>EM95 50	50.134	NC4SA	08110457 VE6JEM	DO31>CM87	50.125	H K6FV						
08121522 VE3JBL	FN03 TORONTO	50.059	B W4KGN	08110501 VE6EMU	DO33>CM87	50.040	B K6FV						
08121842 VA3RCW	FN04>EM90	50.150	KD4MWO	08120316 VE4VHF	EN19>FN44	50.036	B K1TOL						
08131453 VA3ACP	EN92>EM90	50.125	KD4MWO	08120700 VE4CPU	EO10>FM19	50.136	W N3VBG						
08140036 VE3JBL	FN03>FM29	50.059	B WA3WUL	08122229 VE4VHF	EN19>EN52	50.036	B W9RM						
08150228 VE3YD		50.145	H K6FV	08140001 VE4VHF	EN19>FM29	50.037	B WA3WUL						
08150302 VE2LBZ/VE3 FM03		50.167	K6FV	08140138 VE4VHF		50.038	B K1H7						
08160251 VE3JJA/3	EC20>CN88	50.125	S VE7SKA	08140215 VE4VHF	>FN12	50.037	B N7J2L						
08160325 VE9AA	CQ AU CW	50.133	W3EP/1	08141205 VE4VHF		50.036	B W3EP/1						
08262256 VE9AA		50.155	S VE7SKA	08141224 VE4VHF	EN19>FN04	50.037	B VE3FGU						
08262259 VE3JBL	FN03 AU	50.059	W3EP/1	08141314 VE4VHF	EN19>FN03	50.036	B VE3FIT						
08262313 VE3EWV	EN93>FM08 57A	50.125	K4ZOO	08141448 VE4VHF	EN19>EN90	50.036	B W3HJH						
08290034 VE3JBL	FN03>FM19	50.058	B K3SX	08160248 VE4VHF	EN19>CN88 100	50.037	B VE7SKA						
08290432 VE1C12	VE1SMU S5>EM79	50.001	B N8ZJN	08160324 VE7SKA		50.145	W VE9AA						
08291835 VE3ORD FN02		50.125	WW2R	08160339 VE4CP	EO00>CN88 90'	50.125	S VE7SKA						
CANADA, Northern				08161600 VE4VHF	>CN85		B N7DB						
08202111 VE2BKL	FN48	50.125	K1TOL	08161600 VE4VHF									
08262256 VE9AA	CQ AU CW	50.133	W3EP/1	08161648 VE4AA	EN19>CN85		H N7DB						
08262259 VE3JBL	FN03 AU	50.059	W3EP/1	08161648 VE4AA									
08262313 VE3EWV	EN93>FM08 57A	50.125	K4ZOO	08170311 VE4CPU	EO10>EN72	50.136	N8NQS						
08290042 VE1C12	VE1SMU S5>EM79	50.001	B N8ZJN	08170330 VE4CPU	EO10>EN62	50.135	K9LCR						
08290432 VE1C12	FN85>EN79 57	50.130	N8ZJN	08170334 VE4CPU	EO10>EN50	50.135	N1HRW/9						
08291835 VE3ORD FN02		50.125	WW2R	08170339 VE4VHF	EN19>EN50	50.036	B N1HRW/9						
CANADA, Western				08170359 VE4CP	EO00>EN62	50.155	K9LCR						
08020424 VE8BY	FP53>FN44	50.049	B K1TOL	08170551 VE6ARC	DO05>CM87	50.043	B N5JHM/6						
08040408 VE8WD	DP22>EM79	50.020	B N8ZJN	08200044 VE6EMU	DO20>D033 WEA	50.040	B VE6PY						
08052225 VE8BY	> EN400M	50.049	K9CFD	08200152 VE4VHF	599>EM00	50.037	B W5OZI						
08060591 VE8BY	AURORA	50.048	B K1TOL	08200159 VE4AAZ	EN19>EL49	50.125	W5ART						
08062353 VE8BY	559 >KP01	50.049	B OH1XT	08200213 VE7XF	CN89>EM55	50.140	KU4AR						
08070314 VE8BY	FP53>FN44	50.049	B VE1V	08200237 VE6EGN	59 DO33>CN85		W N7DB						
08112135 VE8BY	AURORA E	50.048	B OYJJD	08200238 VE6EMU	>CN85		B N7DB						
08130309 VE8BY	FP53>FN44	50.049	B K1TOL	08200315 VE4CPU	EO10>EM13	50.138	WW2R						
08130319 VE8BY	FP53>EN82	50.049	B K8MD	08200319 VE4VHF	EN19>EM13	50.036	B WW2R						
08130646 VE8JL	DP22>DN08	50.125	K7KMF	08200412 VE6PY		50.170	K6YK						
08192140 VE8BY	599>GP36	50.048	B OX3LX	08200419 VE5JJA	DO24>CM87	50.145	N9JIM/6						
08200021 VE8BY	FP53>FN44	50.049	B K1TOL	08200423 VE6V2SWL	DO21	50.145	KC6IPF						
08200044 VE8BY		50.049	B VE6XT	08210015 VE6EMU	DO33>DO21 STR	50.040	B VE6XT						
08210257 VE8C	FO01>EO91	50.125	K1KBL	08221440 VE6ARC	DO05>D021 AUR	50.125	VE6XT						
08201316 VE8C	FO01 SCATTER	50.125	W4DR	08221430 VE6EMU	DO33>DO21 STR	50.040	B VE6XT						
08202008 VE8C	FO01 AUR	50.125	W3EP/1	08221430 VE6EMU	DO33>DO21 STR	50.040	B VE6XT						
08210545 VE8SIX	0430-0500Z	50.008	B W7KQW	08221508 VE6EKK	DO33>DO21 AUR	50.125	VE6XT						
08211627 VE8C	FO01>FN43 NH	50.125	KA1A	08221521 VE6ARC	DO05>D020 52A	50.043	B VE6PY						
08211842 VE8C	METEOR SCATTER	50.125	W3EP/1	08220705 VE7VDX	55A CN89>CN85		W N7DB						
08211844 VE8C	FO01	50.125	KM1H	08272030+VE7 CN88,89	> CN83 LW		W K7FU						
08242145 VE8BY	599>GP36	50.048	B OX3LX	082721321 VE6EMU	DO33>CN87 AU	50.041	B W7KQW						
08250010 VE8BY	599>GP36	50.048	B OX3LX	082721421 VE6DV	AURORA	50.125	K7AYAO						
08262223 VE8BY	599 FP53>GP36	50.048	B OX3LX	08272203 VE6EMU									
08290537 VE8JL	DP22>DO20 57A	50.125	VE6PY	08282241 CO2C	57	50.0825	B LW5EJU						
CANADA, Western				08120104 CO2OJ	HVY QSB	50.125	N5JHV						
08010254 VE4VHF	EN19>FN44	50.036	B K1TOL	08172247 CO2OJ	EL83>EM79	50.125	N8ZJN						
08010312 VE4VHF	EN19 80'	50.037	B VE7SKA	08172307 CO2OJ	>FN20	50.125	W3BO						
08010327 VE4KGB	EO10 80'	50.125	S VE7SKA	08172309 CO2OJ	EL83>EN90	50.125	KC8AGW						
08010355 CKCT	2 SK > IL		T K1MOD/9	08172340 CO2OJ		50.120	K2SD						
08010727 VE4VHF	EN19>FN44	50.037	B K1TOL	08172342 CO2OJ	EL82>EM69	50.120	KJ9C						
08020054 VE4VHF	EN19>EM49	50.037	B K1TOL	08232135 CO2OJ	59 EL83 JOSE	50.125	S LW5EJU						
08020139 VE4VHF	EN19>EM5 599	50.037	B NC4SA	08232241 CO2C	57	50.0825	B LW5EJU						
08020219 VE6ARC	DO05	50.042	B W3EP/1	08060941 VE3VHF	AURORA	50.045	B K1TOL						
08020312 VE4VHF	EN19>FM29	50.037	B WA3WUL	08060942 VE3VHF	EN19>EM50	50.045	B K1TOL						
08020409 VE4VHF	EN19>EM79 S9	50.037	B N8ZJN	08060943 VE3VHF	EN19>EM50	50.045	B K1TOL		</				

07110325	WNBC	4	NY > IL	T K1MOD/9	07320145	WEDU	3	FL > IL	T K1MOD/9	08180344	WKRN	2	TN	Nashville	T WA5IYX	
0712115	WGRZ	2	NY > LA	1091	T OGLETMO	07320145	WESH	2	FL > IL	T K1MOD/9	08191658	WSB-	2	GA	Atlanta	T WA5IYX
0712220	WIVB	4	NY > LA	1091	T OGLETMO	07320145	WFOR	4	FL > IL	T K1MOD/9	08191740	WKRN	2	TN	Nashville	T WA5IYX
07312355	WTWB	5	NY > LA	1212	T OGLETMO	07320145	WPBT	2	FL > IL	T K1MOD/9	08191822	KB4TEQ	EM73>DN26	50.125	K7CA	
08020150	KB2WXV	WNY>OKLA	EM26	50.125	WORRY/5	07320145	WTWJ	6	FL > IL	T K1MOD/9	08191857	KD4MWO	EM90>EN18	50.140	K5BZM/0	
08020152	W2/K8ZES	>OKLA	EM26	50.129	WORRY/5	07320145	WUPT	5	FL > IL	T K1MOD/9	08200112	AB4RQ	FM15>EN40	50.125	N5UXT	
08040250	KB2SGX	FN12>EM28	50.190	KILO	07320145	WUNC	4	NC > IL	T K1MOD/9	08200126	K4ZOO	FM08>DM26	50.125	K7CA		
08040307	N2YDF	FN02>EM18	50.175	K5BZM/0	07320145	WUND	2	NC > IL	T K1MOD/9	08200148	KB4TEQ	EM73>CN88	50.125	VE7SKA		
08040410	K2TVY	FM02>EM18	50.125	K5BZM/0	08010003	KD4MWO	EM90>DO21	50.150	VE6XT	08200212	KF4OUH	EL96>EN50	50.125	N1HRW/9		
08040421	K2 XX	FN20>EM18	50.150	K5BZM/0	08010003	KE4SIV	EM65>DO21	50.125	VE6XT	08200214	AA4MM	EL98>EN50	50.130	N1HRW/9		
08041812	N2PTA	FN22>EM18	50.150	K5BZM/0	08010039	W4/KAINSV	50.156	AA5N	08200256	W4UDH	EM52>EN52	50.160	W9RM			
08050051	KC2AHU	FN23>EM55	50.135	KU4AR	08010107	K4TEQ	EM73>DN17	50.156	AA5N	08200257	AA4MM	EL98>EM28	50.132	K1OLO		
08050240	K2DRH	BOB EN41>FN53	50.177	N1H0V	08010115	KF4HIM	EM94>DN12	50.150	N7CW	08221701	W4/KSHUY	EL86>FM19	50.125	K3SX		
08051256	K2ZD	FN20>FN42	50.069	B K1DAT	08010118	W4CHA	EL88>DN17	50.079	B N7EIJ	08221711	W4CHA	EL88>FM19	50.080	B K3SX		
08051417	N2RTQ	FN24>EM90	50.150	KD4MWO	08010125	WB4OK	EM81>DO21	50.240	VE6XT	08291309	W4U4C	EM82>EM90	50.140	KD4MWO		
08051505	N2CTR	FN13>EM90	50.150	KD4MWO	08010129	W4PFM	EM94>DN12	50.155	N7CW	08291420	WA4HFN	EM55>EN91	50.125	WA8RJF		
08060050	K2SIX	FN20>EM18	50.125	K5BZM/0	08010201	KF4GYI	EM93>DM04	50.125	KE6FCT	08291452	N4BG	EM18>EM97 59	50.130	K5BZM		
08060111	KC2DPB	FN21>CM87 MIKE	S WA6GYD	08010208	K4ADON	EM70	125°	50.125	H VE7SKA	08291547	WB4YVO	EN51>EM90	50.140	KD4MWO		
08060114	KC2DPB	FN21>CM87	50.125	K5B6NAN	08010214	K4TEQ	EM73	120°	50.125	S VE7SKA	08291549	KD4MWO	EM90>EN52	50.140	W9RM	
08060119	WA2LSK	FN22>CM87 MIKE	S WA6GYD	08011320	KC4XX	EL98>FN44	50.077	B K1TOL	08291549	KD4MWO	EM90>EN52	50.140	W9RM			
08061054	N2BJ	EN61>FN10 52	50.142	N3JXJ	08011552	KQ4E	EM86>FN44	50.067	B K1TOL	08291549	KD4MWO	EM90>EN52	50.140	W9RM		
08061055	K2MUB	AUR	50.125	K1TOL	08040304	N4ZC	50.150	W9FL	07032156	KNME	5 NM > B.R. LA	955	T KRUSZKA			
08061109	N2BJZ	EN61>FN44 AUR	50.142	K1TOL	08040316	NC4SA	EM95>EN62	50.156	W9FL	07032158	KOB	4 NM > B.R. LA	955	T KRUSZKA		
080622341	WA2LSK	FN22>FM29 AU	50.125	WA3WUL	08040339	W4CHA	EL88>DN74 WY	50.080	B K7TNT	07032204	KENW	3 NM > B.R. LA	760	T KRUSZKA		
08091510	WCBS	2 NY > IL	T K1MOD/9	08040431	N4OGR	FM18>EM18	50.150	K5BZM/0	07032227	KDBC	4 TX > B.R. LA	910	T KRUSZKA			
08091558	N2NNB	>EM26 OK	50.125	WORRY/5	08040457	WFWMY	2 NC	Greensboro	T WA5IYX	07040113	N5JEH	DM65	S XE2HWB			
08091605	W2ZKE	FN20>EM13	50.138	W2WZ	08041414	KD4MWO	EM90>EM18	50.125	K5BZM/0	07040138	W5KNN	EM40	S XE2HWB			
08120029	WA2LYS	FN20>EM79	50.125	N8ZJN	08041446	KE4YDD	EL79>FN10 58	50.160	N3JXJ	07040139	KB5BY	DM65	S XE2HWB			
08121751	K2AGL	FN13>EM90	50.150	KD4MWO	08041525	KD4HLG	EM73>DN74	50.074	B K7TNT	07041413	KC5JBO	DM65	S XE2HWB			
08141243	K2GUB	BACKSCATTER	50.106	VE3FGU	08042026	K7WVY	CN87>EM18	50.140	K5BZM/0	07040148	W5/NOIPL	DM76	S XE2HWB			
08150222	W2CNS	50.125	H K5FV	08042301	W4CHA	EL88>FN42	50.081	B W1PO	07040150	WD5K	EM12	S XE2HWB				
08151541	K2ZRJ	FM29>EN34FV Es 144	50.125	W NOHJZ	08042305	KC4XX	EL98>FN42	50.078	B W1PO	07080211	KENWT	3 NM	1201 T K7RPM			
08200044	K2SIX	54 FN20>FN42	50.125	W1CBI	08042331	N4CH	FM07 115°	50.125	S VE7SKA	07120118	KENWT	3 NM	T K7RPM			
08202111	W2/K8ZES	CQ AU LOUD!	50.125	VE9AA	08050204	N4JJ	FM04>EM18	50.125	K5BZM/0	07122349	K5JEE	EM15	H XE2HWB			
08210225	W2/K8ZES	FN02>FN42	50.145	K2CX	08051200	KA4LQ	EM77>EM18	50.200	K5BZM/0	07200015	N5WKM	EM15	S XE2HWB			
08262256	K2MUB	CQ AU CW	50.130	W3EP/1	08051359	AB4RQ	FM15>EM18	50.125	K5BZM/0	07200034	W5EUB	EM15	H XE2HWB			
12080100	WA2CWA	FN20>DM04	50.130	KE6FCT	08051508	KF4VYI	EM93>EN82	50.135	K8BU	07200044	W5FF	EM15	H XE2HWB			
United States, W3																
07010120	WTAE	4 PA > B.R. LA	930	T KRUSZKA	08052225	WA4GPF	FN11>CM87	50.080	B KB8U	07231432	KASA	2 NM > LA	753	T OGLETMO		
07131317	WMAR	2 MD > IL	T K1MOD/9	08060052	W4CHA	EM73	50.125	S WA6GYD	07231458	KACV	2 TX > LA	501	T OGLETMO			
07311905	WRC	4 DC > LA	1042	T OGLETMO	08061401	W4CHA	EM64 135°	50.125	S VE7SKA	07300106	KD5CAV	EL29	50.111	H JE2DWZ		
07311909	WWSW	PA Pittsburgh	94.5	F WA5IYX	08061442	W4CHA	EL88>FN44	50.080	B K1TOL	08010113	KD5CAV	EL29	50.140	K3TLP		
07311915	WTIG	5 DC > LA	1042	T OGLETMO	08061505	W4UDH	EM52>EM90	50.080	B W3HH	08040253	W5/WORRY	EM26>FN31	50.125	KAT7YAO		
07311928	WMAR	2 MD > LA	1072	T OGLETMO	08061554	WTQR	NC Winston-Salem104.1	50.130	KD4MWO	08050227	W5/NOIPL	DM76 NM	50.217	W4DR		
07312002	WTAE	4 PA > LA	945	T OGLETMO	08061559	WRVQ	VA Richmond	50.130	KF5VQV	08050235	W5/NKUW	DM65>FN53 NM50.150	50.170	N1HOV		
07312029	WRC	4 DC > B.R. LA	985	T KRUSZKA	08061604	WCBD	NC Winston-Salem104.1	50.130	KF5VQV	08050239	KC5QVV	EM25 NELSON	50.170	KD4JXY		
07312225	WTAE	4 PA > B.R. LA	930	T KRUSZKA	08061612	WFMY	NC Winston-Salem104.1	50.130	KF5VQV	08050242	W5PKN	EM13>EN82	50.160	N8PJP		
08010030	WPSX	3 PA > B.R. LA	975	T KRUSZKA	08061616	WBTW	NC Winston-Salem104.1	50.130	KF5VQV	08050301	W5FKN	EM13>FN53	50.160	N1HOV		
08020429	W3HH	EN90>DN74	50.068	B K7TNT	08061626	WKRR	NC Asheboro	92.3 F	W5IYX	08050758	KDTN	2 TX > IL (MS)	T K1MOD/9			
08040528	W3HH	EN90>DN74	50.068	B K7TNT	08061642	WTFM	NC Wadesboro	93.5 F	W5IYX	08072333	W5SF	DM75	NJ2L			
08041358	WAJCS	FN11>EM90	50.125	KD4MWO	08061646	WYFQ	NC Charlotte	90.7 F	W5IYX	08051455	AE5P	EM21>EN82	50.125	KB8U		
08041403	N3YVM	FN21>EM90	50.125	W1CBI	08061649	WFAE	GA Ellijay	93.5 F	W5IYX	08060047	N5JHV	DM62>DN46	50.125	KAT7YAO		
08060455	N3PBD	FN02>DN74	50.125	K7TNT	08061653	WLJA	NC Statesville	96.9 F	W5IYX	08060052	K5RVL	EL18>CM87	50.125	KB6NAN		
08061007	W3CXX	FM29>FN44	50.080	B K1TOL	08061653	WKKR	NC Hickory	95.7 F	W5IYX	08060184	KD4MWO	EM65>DN46	50.155	N8PJP		
08061041	WAJWU	AUK	50.125	K1TOL	08061637	WFMX	NC Statesville	105.7 F	W5IYX	08061430	W5NWKV	EN15>EM90	50.125	KD4MWO		
08070953	KDKA-2	PA Pittsburgh	T WA5IYX	08061639	WESCS	SC Greenville	92.5 F	W5IYX	08072335	W5SF	DM75	NJ2L				
08091557	WAJNGU	FN11	50.145	W2WY	08061642	WTFM	TN Kingsport	98.5 F	W5IYX	08072336	W5SF	DM95>EN91	50.125	WA8RJF		
08091606	WAJWU	EN90>DN80	50.125	W3WUL	08061646	WYFQ	TN Bristol	96.9 F	W5IYX	08080106	W5SF	DM95>DN46	50.125	KAT7YAO		
08091839	N3AH	EM66>EN91 500MI	50.155	WA8RJF	08061646	WYFQ	VA Marion	93.9 F	W5IYX	08050227	W5NWKV	DM65>DN46	50.125	N9HSN		
08091839	N3AH	EM66>EN91 500MI	50.155	WA8RJF	08061646	WYFQ	KY Columbia	93.5 F	W5IYX	08080252	W5/NOIPL	DM87 NM	50.125	KAT7YAO		
08091839	N3AH	EM66>EN91 500MI	50.155	WA8RJF	08061646	WYFQ	KY Lexington	94.5 F	W5IYX	08080252	W5/NOIPL	DM87 NM	50.125	KAT7YAO		
08091839	N3AH	EM66>EN91 100°	50.125	WA8RJF	08061728	MYS	KY Fort Knox	109.5 A	W5IYX	08091706	W5/KB6VFC	EM34>EN90	50.135	WA1ECF		
08160412	WAJWU	EN66>EN88 57	50.125	WA7SKA	08061730	FTK	KY Owensboro	108.6 A	W5IYX	08091706	W5/NOEQ	EM24>EN90	50.061	B W3HH		
08200149	WAJWU	EN46>EN90	50.125	WA7SKA	08061731	CCT	KY Paducah	108.5 A	W5IYX	08092103	W5/NOIPL	DM76>DO21	50.125	VE6XT		
08201447	N3WCM	EN46>EN90	50.125	WA8RJF	08061733	OBW	KY Central	109.8 A	W5IYX	08092103	W5/NOEQ	EM24>FN12EX	50.125	KAT7YAO		
08201447	N3WII	PA	50.125	WA8RJF	08061736	IPAH	KY C109	108.5 A	W5IYX	08092106	W5RWWN	EM11>EN90	50.145	KC8AGW		
08211403	N3WII	PA	50.125	WA8RJF	08061736	IPAH	KY Paducah	108.5 A	W5IYX	08092001	W5/NOIPL	DM76>DO21	50.125	VE6XT		
08240534	W3V3D	50.064	B K3ZTJ	08061911	W4UDH	EN50>EM52	50.125	N9OBE	08120101	W5NMJ	EM17>EN90	50.130	KC8AGW			
08291833	W3TC	FN00>EM13	50.125	WW2R	08091400	W4 EM55>FN30	-1445	N2QHS	08120102	N5JRV	DM62>DN46	50.125	KAT7YAO			
08091500	WUND	2 NC > IL	T K1MOD/9	08091556	W4CHA	EL79>EN82	50.220	K8BU	08120117	W5/NOEQ	EM24>FN12EX	50.062	B W2ONP			
08091544	WUND	2 NC > IL	T K1MOD/9	08091547	K4HLL	EM73>EN82	50.074	B KB8U	08120125	W5LUIA	EM13>FN12EX	50.071	B W2ONP			
08091544	WUND	2 NC > IL	T K1MOD/9	08091548	K4HLL	EM73>EN82	50.220	K8BU	08120127	W5NRI	EM22>FN12EX					

United States, W6

07040140 KB6BF	S XE2HWB	08042259 N7DB	CN85>EN91	50.064	B WA8RJF	07100058 WCML	6 MI >B.R.LA	1090	T KRUSZKA		
07041940 N6XQ	S XE2HWB	08042300 W7NHB	DN28	50.061	B WA8RJF	07241626 WSAZ-	3 WV Huntington		T WA5IYX		
07041945 N6CA	S XE2HWB	08042308 W7BW	CN96	50.155	N3SCR	07251459 WDTN-	2 OH Dayton		T WA5IYX		
07041948 K6PHE	S XE2HWB	08042330 W7PQE	CN92>FN31	50.130	K2WE	07270300 WJMN-	3 MI Escanaba		T WA5IYX		
07041949 K6GMV	S XE2HWB	08042336 W7NHB	CN96>FM08	50.125	K4ZOO	07270504 WDTN-	2 OH Dayton		T WA5IYX		
07041949 K6IST	S XE2HWB	08042342 W7/WA1IED	CN87>FM08	50.125	K4ZOO	07292308 WJMN-	3 MI Escanaba		T WA5IYX		
07041949 W6IWW	S XE2HWB	08042347 K17XD	CN96>FM08	50.130	K4ZOO	07292322 WJBK-	2 MI Detroit		T WA5IYX		
07041950 K6FCT	S XE2HWB	08042347 W7MCX	CN87>FM08	50.130	K4ZOO	07300006 WLAV	MI Grand Rapid96.9	F	WA5IYX		
07041952 KE6AZX	S XE2HWB	08042352 K7YRL	CN89>FM08	50.125	K4ZOO	07300011 WLHT	MI Grand Rapid95.7	F	WA5IYX		
07041953 WN6EZX	S XE2HWB	08042359 N7LT	DN45>CM87	50.125	K6B6NAN	07300019 WKFR	MI Battle Cre103.3	F	WA5IYX		
07041954 K6PXT	S XE2HWB	08042359 W7DS	CN73>FM08	50.130	K4ZOO	07311848 WKCC	WV Williamson 96.5	F	WA5IYX		
07101746 W6YN	S XE2HWB	08050004 W7BW	PHL CN92	50.130	WA1ECF	07311849 WPAY-	OH Portsmouth104.1	F	WA5IYX		
07101750 K6QXY	S XE2HWB	08050010 W7NHAH	DN26>CM87	50.125	K6B6NAN	07311858 WRRR	WV St. Marys 93.9	F	WA5IYX		
07312359 KBCS-	2 CA Los Angeles	T WA5IYX	08050022 W7PQE	CN96>FM29	50.131	WA3WUL	07311859 WBTQ	WV Buckhannon 93.5	F	WA5IYX	
08010005 KWST	CA Brawley 94.5	F WA5IYX	08050040 WA7UQV	CN87>FM29	50.154	WA3WUL	07311958 WJBK	2 MI > LA		904 T OGLETHO	
08010009 KBZT	CA San Diego 94.9	F WA5IYX	08050058 K7MF	DN08>CM87	50.125	H KB6NAN	07312008 WKDD	OH Akron	96.5	F WA5IYX	
08022026 K6FV	CM87>DO21	50.069	B VE6XT	08050102 K7MF	WA 59 >CM98	50.125	WA6ZNM	07312015 WNEM	5 MI > LA	943 T OGLETHO	
08032331 N6XQ	DM12	S XE2HWB	08050340 K7RAT	CN85>EM83	50.125	N4CPM	07312016 WJBK-	2 MI Detroit		T WA5IYX	
08040030 K6RMA	6 CA > IL	T K1MOD/9	08050341 W7XTR	CN85>EM83	50.125	N4CPM	07312026 WVKS	OH Toledo	92.5	F WA5IYX	
08040039 N6XQ	DM12	S XE2HWB	08051929 KNAZ	2 AZ >CN88	170'	T VE7SKA	07312052 WAIR	MI Atlanta	92.5	F WA5IYX	
08040044 K6SYW	DM03	S XE2HWB	08060120 K7SP	DM33>DN46	50.170	KA7YAO	07312103 WBCM	MI Boyne City	93.5	F WA5IYX	
08040045 K6WKB	DM13	S XE2HWB	08060146 K7RAT	CN85>EM55	50.145	KU4AR	07312128 WBKP	5 MI > LA	1063 T OGLETHO		
08040323 W6LAC	FN01>EM18	50.175	K5BZM/0	DN08>CM29	50.145	WA3WUL	07312145 WNM7	3 MI Kalamazoo		T WA5IYX	
08042356 W6BTBY	CM96>DN46	50.125	KA7YAO	08060205 K7RAT	CN85>EM82	50.145	KB8U	07312208 WSZJ	3 WV >B.R.LA	740 T KRUSZKA	
08050030 KTUV	2 CA >CN88	185'	T VE7SKA	08060214 W7GJ	59 DN27>EM18	50.125	K5BZM/0	07312222 WEWS	5 OH > LA	917 T OGLETHO	
08051846 N6XQ	DM12 180'	S VE7SKA	08060220 K7K7B	DM22>EM18	50.125	K5BZM/0	07312300 WTOM	4 MI >B.R.LA	1110 T KRUSZKA		
08051853 K6GUJ	DM14 180'	S VE7SKA	08060221 K7XC	DM09>EM18	50.125	K5BZM/0	07312357 WDIV	4 MI >B.R.LA	935 T KRUSZKA		
08060219 N6XQ	DM12>EM18	S VE7SKA	08060227 K7WO	2 WY >CN88	135'	T VE7SKA	08060229 WCMH	4 OH > LA		T OGLETHO	
08060244 K6SYW	DM03>EM18	S VE7SKA	080603101 W7NHAH	DN33>EM82	50.125	KU4AR	07312415 WNM7	3 MI			
08080015 K6KXY	DM4>FN12	S VE7SKA	080603113 W7KQJ	CN87>DO21	AUR	50.125	WE6XT	08060222 WZSJ	3 WV >B.R.LA	740 T KRUSZKA	
08080139 WY6G/P	DM78>DN46	50.125	KA7YAO	08070416 W7XTR	CN85 60' AU	50.125	C VE7SKA	08060234 N8GR	EN80>DN74	50.135 K7TNT	
08080208 K6FCT	DM04>EN91	50.125	WA8RJF	08070444 W7NHAH	DN26 60' AU	50.125	VE7SKA	08060313 KC8CWT	EN76>DO21	50.125 VE6XT	
08080235 K6FCT	DM04>FM29	50.130	WA3WUL	08070453 W7GJ	DN28 60' AU	50.130	C VE7SKA	08042050 K8D8R	FN82>EM18	50.175 K5BZM/0	
08080235 W6PEV	DM15>FM29	50.125	WA3WUL	08070456 W7NHAH	DN26>CN87	50.125	W7QKU	08042056 W8ERI	DM15>DN70	50.130 WA1ECF	
08091616 A6ADD	50.125	WW2R	08070457 W7GJ	DN27>CN87	AUR	50.129	WA3WUL	08042059 WNM7	EN82>EM18	50.125 K5BZM/0	
08091940 N6XQ	DM12>FM29	50.215	WA3WUL	08080003 NK7J	DN33>EN82	AZ	50.140	K8B80	EN82>FM29	50.160 WA3WUL	
08091944 N6XQ	S9	50.135	W8DJY	08080053 K7CA	DM26>EM79	50.135	N8ZJN	08042223 N8II	FM19 115'	50.125 S VE7SKA	
08110617 K6MYC	>CN85	S N7DB	08080128 K7CA	NV>WI	50.125	N9ISN	08050038 W8TL	FM09>DN17	50.140 N7EIJ		
08110700 K6FV	>CN85	50.069	B N7DB	08080143 W7GJ	DN27>EM28	50.130	KIOL0	08050217 W8ERI	DN70	50.130 W4DR	
08120112 NSJV	CM98	50.130	N4XD	08080145 NW70	DM26>EM28	50.140	KIOL0	08051515 KB8U	EN82>EM90	50.150 K4DMW0	
08161556 K6FV	CM87>CN85	50.069	B N7DB	08080149 W7LRV	>OKLA EM26	50.124	WORRY/5	08062019 K8C8C	DM33>EM18	50.125 K5BZM/0	
08161601 K6B8KN	CM88>CN85	50.125	WW2R	08080234 N7RNV	DN25>FM29	50.125	WA3WUL	08040404 N8HTV	EN82>EM18	50.125 K5BZM/0	
08161604 W6HJW	55 CM97>CN85	50.215	WA3WUL	08080235 NW70	DN26>FM29	50.140	WA3WUL	08042212 N8WMK	EN82>FM29	50.160 WA3WUL	
08170455 K6FIP	CM60>CN89	50.130	VE7VDX	08080235 W7KQJ	CN87>DO21	AUR	50.125	W8RJF	EN82>DN04	50.125 K6FCT	
08172050 K6FV	CM87>DO05	50.069	B VE6AMB	08081738 K7CA	DM26 165' >CN88	50.125	S VE7SKA	08061051 W8GF	MI EN82>FN43	50.101 KALIA	
08181822 K6B8KN	CM87>CN89	50.125	VE7VDX	08081740 W7RVR	DN43 155' >CN88	50.125	S VE7SKA	08061701 WDTN	2 OH Dayton		T WASIYX
08191856 K6VQ	DM13>EM18	50.140	K5BZM/0	08081757 KG7DF	DM16 155' >CN88	50.125	S VE7SKA	08061707 WKCX	WV Williamson 96.5	F WASIYX	
08201757 W6HAY	DM03>EM12	50.140	N5WD	08091550 W7C1	STEVE DM41	50.135	WA1ECF	08061719 WTCR	WV Huntington103.3	F WASIYX	
08207102 K6AAW	51A CN80>CN85	144 AU	W N7DB	08091551 W7C1	DM41>FM29	50.098	WA3WUL	08061721 WPAY-	OH Portsmouth104.1	F WASIYX	
082072046 K6C1PF	CN80>CN87	50.180	K7SW	08091717 K7C7MG	DN41>FM29	50.125	WA1WUL	08061722 WZIO	OH South Webst94.9	F WASIYX	

United States, W7

07032204 KTUV	3 AZ > B.R.LA	1245	T KRUSZKA	08121447 N7TGF	CN88 TR > CN81	S WB7QBS/7	6 MI > B.R.LA	885	T KRUSZKA	
07032246 KPHO	4 AZ > B.R.LA	1245	T KRUSZKA	08121517 K7D7AVH	DM33 > CN81	S WB7QBS/7	5 WB7QBS/7	885	T KRUSZKA	
07032254 KVOA	4 AZ > B.R.LA	1175	T KRUSZKA	081310353 W7	CN96 TR > CN74	S WB7QBS/7	5 WB7QBS/7	885	T KRUSZKA	
07040134 NE7X	DM43	S XE2HWB	08131612 N7WV2	MS > CN74	S WB7QBS/7	5 WB7QBS/7	885	T KRUSZKA		
07040136 W7RV	DM43	S XE2HWB	08140222 W7KIA	WA >FM08	50.128	K4ZOO	08131622 K8AN	50.125 K6FCT		
07040137 K7NO	DM33	S XE2HWB	08140237 W7KQJ	CN87>EM79	50.143	N8ZJN	08131632 K8B8PZ	EN83>EM90		
07101712 K7CA	DM25	S XE2HWB	08140552 K7MF	WKG W1LP/MM	50.125	N9JIM/6	08131508 K8D4LG	EN73>DO21		
07101719 K7ICW	DM37	S XE2HWB	08170502 K7MF	WKG W1LP/MM	50.125	N5WD	08131504 K8H3LG	EN73>EN90		
07110100 KNAZ	2 AZ > IL	T K1MOD/9	08171531 W7GJ	DN27>EM12	50.125	KIOL0	08131506 K8C8WT	EN73>DN74		
07110422 KTUV	3 AZ	841	T K7RPM	08172105 N7RZD	DM45>CN89	50.125	K4ZOO	08131507 K8B8ZS	EN62>EM90	
07140025 KTUV	2 MT > IL	841	T K1MOD/9	08180323 W7GJ	MT > FL	50.125	K9HUV/4	08131508 K8B8ZS	EN62>EM90	
07140136 KWCW	4 WY > B.R.LA	1275	T KRUSZKA	08180400 N7LT	MT > DM04	50.125	K6FCT	08131509 K8B8ZS	EN62>EM90	
07200118 KTUV	3 AZ	841	T K7RPM	08180527 N7NKK	DM17>DN08	50.125	KK7MF	08131510 K8B8ZS	EN62>EM90	
07200129 KVBC	3 NV	579	T K7RPM	08180527 N7NKK	DN26>EM90	50.125	KD4MWO	08131511 K8B8ZS	EN62>EM90	
07231420 KNAZ	2 AZ > LA	1045	T OGLETHO	08191842 K7CA	DN26>EM90	50.125	N8ZJN	08131512 K8B8ZS	EN62>EM90	
07300007 KGWN	5 WY > B.R.LA	1045	T KRUSZKA	08191843 K7CA	DN26>EM18	50.125	K5BZM/0	08170540 WD80ST	EN76>DN74	
07300230 KTUV	3 AZ >CN88	155'	T VE7SKA	08192340 N7ML	DN45>EM18	50.125	K5BZM/0	08200020 K8M8D	AUROA>FN44	50.125 K1TOL
07311175 K7LZ	WY Powell	92.5	F WA5IYX	08200121 K7CA	DN26>FM08	50.125	KIOL0	08200216 WJBK-	2 MI Detroit	
07311175 K7LZ	WY Cody	97.9	F WA5IYX	08200208 AB7UQ	DN52>EN50	50.250	N1HWR/9	08200232 WZASZ-	3 WV Huntington	
07312317 K7HQ	WY Eagar	92.5	F WA5IYX	08200212 K7RTR	3 MT >CN88	110'	T VE7SKA	08210037 W/KLNR	50.025 W/VE3FGU	
07312323 K8XN	AZ Show Low	93.5	F WA5IYX	08200218 AB7UQ	DN52 TOM WY	50.250	AB4WS	08262303 K8ZES	FN02 CQ AU	50.130 W/EP/1
07312324 K7LUC	NV Las Vegas	98.5	F WA5IYX	08200230 K7HMT	4 MT >CN88	100'	T VE7SKA	08262310 K8ZES	FN02>FM08	59.4 A 125 K4ZOO
07312325 KVBC	3 NV Las Vegas	98.5	F WA5IYX	08200231 K7XW	CN96>EM55	50.180	KU4AR	08272021 N8M8LE	EN80>EN19	2112 AU W N3JPU
07312328 K7JUL	NV North Las 104.3	5 F WA5IYX	08200253 K7XW	CN96>EM83	50.185	N4CPM	08290262 N8ZJN	CQING, EN79	50.125 N9NS	
07312323 KNAZ	2 AZ Flagstaff	T WA5IYX	08200258 KXLF	4 MT >CN88	100'	T VE7SKA	08290263 K8M8D	EN80>EM40	50.125 N5UXT	
08010024 K7CMG	DM41>EN91	50.125	WA8RJF	08200300 KBC1	2 ID >CN88	100'	T VE7SKA	08290264 K8M8D	EN80>EM40	
08010024 W7GZ	DM42>EN91	50.225	WA8RJF	08200308 AB7UQ	DN52>EM28	50.250	KIOL0	08290265 K8B8ZS	EN62>EM90	
08010029 W7/W8WZG	DM47>DO21	50.126	VE6XT	08200325 K7C7I	DN44>EM28	50.140	KIOL0	08290266 K8B8ZS	EN62>EM90	
08010036 W7GZ	DM42>EN82	50.225	KB8U	08200326 KUTV	2 UT DN40>CN88	140'	T VE7SKA	08290267 K8B8ZS	EN62>EM90	
08010157 K7RAT	EM79>CN85	59	WA5IYX	08200328 AB7UQ	DN52>EM90	50.250	KD4VZV	08290268 K8B8ZS	EN62>EM90	
08021553 W7C1	DM41>DN46	50.125	KA7YAO	08200344 K7N7S	319 >CN85	B N7DB	08290269 W7K7W	EN62>EM44		
08021555 K7TNT	DN74>EN82	50.125	KB8U	08200349 W7C1	DN44>EM12	50.125	KIOL0	08290270 W8BY	EN62>	

08061842 WDUX-	WI Waupaca	92.7 F	WA5IYX	08032248 KJJK-	MN Fergus	Fall 196.5	F	WA5IYX	08112203 KTVI	2 MO	St. Louis	T	WA5IYX	
08061845 WOLX	WI Baraboo	94.9 F	WA5IYX	08032252 KSCR	MN Benson	93.5 F	WA5IYX	08120024 WBORMO	EN10>FM19	50.060	B	K3SX		
08061907 WISC	WI Madison	93.1 F	WA5IYX	08032259 KRCQ	MN Detroit	La102.3	F	WA5IYX	08120028 KOETC	EM27>FM19	50.070	B	K3SX	
08072108 KB9TQX	EN52>EM90	50.125	KD4MWO	08032309 KDL0	3 SD	Garden City	T	WA5IYX	08120034 NOLL	SDN 99>EM79	50.077	B	N8ZJN	
080801207 W9ZR	EN89>DM14	50.135	WN6EKZ	08032350 KGFZ	2 ND	Grand Forks	T	WA5IYX	08120046 NDQJ	EN31>EM79	50.135	N8ZJN		
08091637 N9LLT	EN63>EM90	50.140	KD4MWO	08040000 KCNC	4 CO	> IL	T	KLMD9/	08120056 WAQJRD	EN10>EM79	50.165	N8ZJN		
08091719 KA9CXH	EN62>EM90	50.150	KD4MWO	08040000 KWGN	2 CO	> IL	T	KLMD9/	08120057 WAQHFG	DM98>EN90	50.130	KC8AGW		
08092204 KFYZ	EN45>EM55	50.160	W4DUP	08040245 KAOGPA	BOB	DM79	50.202	WA1ECF	08120118 KOETC	EM27>FN12EX	50.070	B	W2ONP	
08092316 W9ZR	>OKLA EM26	50.125	WORRY/5	08040323 KOETC	JAY	EN27 MO	50.195	WA1ECF	08120158 NOLL	EM09>FN44	50.077	B	K1TOL	
08120031 W9JN	EN54>EM90	50.140	KD4MWO	08040324 KOCS	DM79>FM19	50.170	K3SX	08121432 NOLL	EM09>EN90	50.077	B	W3HH		
08120036 KB9LIU	EN45>EM90	50.125	KD4MWO	08040334 KOAOSZ	DM79>FM29	50.125	WA3WUL	08121438 KOETC	EM27>EN90	50.070	B	W3HH		
08120144 W9JN	EN54>EM90	50.140	KD4MWO	08040338 KOGU	DN70>EM79	JAY	50.215	08121516 KA0BAE	DM57>CN81	S	WB7QBS/7			
08120216 KB9KJC	EN52>EL49	50.135	WA5RT	08040342 KAOGPA	DM79>FM29	50.202	WA3WUL	08121645 WBORMO	EN10>EN90	50.060	B	W3HH		
08120309 WB9STR	EN61>FN44	59+0.071	B	KTOL	08040352 KOSU	DM78>FM29	50.180	08122222 NOZA	DM59>EN52	50.125	W9RM			
08131505 NS9VE	EN63>EM90	50.125	KD4MWO	08040403 WOPHD	EN18>EM12	50.140	N5WD	08140139 KA0BAD	DM57	50.125	K2QE			
08131509 KB9WM	EN70>EM90	50.150	KD4MWO	08040410 KIWI	DM79>FM29	50.145	WA3WUL	08140139 WBORMO	EN10>FN12	50.060	B	NJ2L		
08160059 WBAY-	2 WI Green Bay	T	WA5IYX	08040418 KOAOSZ	DM79>EN82	50.130	K8B8U	08140140 NOLL	EM09>EN90	50.077	B	NJ2L		
08161320 WBAY-	2 WI Green Bay	T	WA5IYX	08040424 W8ERI	DN70>FM29	50.140	WA3WUL	08140143 WOLD	DM78	50.125	K2QE			
08170459 KA9LNP	DN30>CN89	50.135	VE7VDX	08040441 KOBCA	EM48>DN74	50.125	K7TNT	08140152 KA0BAD	DM57>FN42	50.125	K1MUC			
08192111 W9JN	EN54>EM40	50.125	NSUXT	08040506 NOLL	EM09>EN82	50.077	B	KB8U	08140215 WOLMB	EN13>FM08	50.125	K4ZOO		
08200327 WBAY-	2 WI Green Bay	T	WA5IYX	08040509 KOETC	EM77>FM19	50.202	WA3WUL	08140241 WOSZ	EN12>FM29	50.136	W2GE			
08200413 W9TO	2 IN Terre Haute	T	WA5IYX	08040509 KOETC	EM27>FM19	50.160	K3SX	08140349 KOGUV	EN26>FN44	50.008	B	K1TOL		
08200437 WBBM-	2 IL Chicago	T	WA5IYX	08040604 KGAN	2 IA Cedar Rapids	T	WA5IYX	08140549 KOETC	EM27>CN87	50.070	B	W7KQU		
08200444 WISC-	3 WI Madison	T	WA5IYX	08041320 W0/W7XU	ARLISI EN13	50.125	WA1ECF	08140551 WOTMK	DM59>CN80	50.065	B	W7KQU		
08271130 WB9TV	EN50>EN46	50.130	N9OBE_	08041408 KBQKQR	EN23	50.125	WA1ECF	08141223 KOGUV	579C	50.008	B	VE3FGU		
08272100 W9 EN70>EM84	144 AU	WB5APD/4	08041516 WBOOSP	EM37>EM90	50.135	KD4MWO	08150226 NOSPP	EN23	50.130	B	K6FV			
08291422 K9MAL	EN54 WI 59	50.135	K4SX	08041828 W0ZPE	EN26>EM18	50.125	K5BZM/0	08150230 WBORMO	50.060	B	K6FV			
08291424 KB9T	EN45>EM90	50.125	KD4MWO	08041830 KBME	3 ND > IL	T	KLMD9/	08150244 KBOPE	50.125	H	K6FV			
08291427 N9WXC	EN51>EM90	50.140	KD4MWO	08041831 WO CO	DM59, 69, 78, 79, DN70	T	VE7SKA	08150248 WOLMB	EN13 SD>CM87	50.128	S	K6FV		
08291439 N9ZYB	EN52>EM90	50.125	KD4MWO	08041831 WOJ1R	DM79 120'	50.065	VE7SKA	08160203 KTCA-	2 MN Minneapolis	T	WA5IYX			
07040141 WAOKDS	DM33	S	XE2HWB	08041930 KWGN	2 CO > CN88	120'	T	VE7SKA	08160213 KUSD-	2 SD Vermillion	T	WA5IYX		
07092312 KDLH	3 MN > B.R. LA	1080	T	KRUSZKA	08042046 WBORMO	EN10 120'	50.060	VE7SKA	08161323 KTCA-	2 MN Minneapolis	T	WA5IYX		
07092324 KDLT	5 SD > B.R. LA	990	T	KRUSZKA	08042100 KREG	3 CO > CN88	140'	T	VE7SKA	08161328 KUSD-	2 SD Vermillion	T	WA5IYX	
07092330 KSTP	5 MN > B.R. LA	1005	T	KRUSZKA	08042153 WOZPE	EN26>EN91	50.125	WA8RJF	08161425 KSTP-	MN Minneapolis 94.5	F	WA5IYX		
07092359 KBME	3 ND > B.R. LA	1240	T	KRUSZKA	08042200 NOLL	EM090W>FN42HE	50.077	B	K1DAT	08161455 WTBX	MN Hibbing	93.9	F	WA5IYX
07100029 KIMT	3 IA > B.R. LA	880	T	KRUSZKA	08042201 WOOSP	EN17>EN91	50.130	WA8RJF	08161459 KMFY	MN Grand Rapids 96.9	F	WA5IYX		
07110350 KTWS	3 CO	1016	T	K7RPM	08042210 WBORMO	EN10>FN42	50.061	B	W1PO	08161503 KMXX	MN Cold Spring 94.9	F	WA5IYX	
07140025 KWGN	2 CO > IL	T	KLMD9/	08042257 KOUVO	EN24>FN53	50.129	NIHOV	08161508 NOLL, WOTMK	>CN85 <1820	B	N7DB			
07200050 KOCS	DM79	S	XE2HWB	08042300 KOGUV	MN>EN61	50.007	B	N9W	08161519 KJJK-	MN Fergus Fall 196.5	F	WA5IYX		
07200053 KA0BAD	DM67	S	XE2HWB	08042303 KNOP	2 NE > CN88	120'	T	VE7SKA	08161522 KKOK	MN Morris	95.7	F	WA5IYX	
07210234 KSWN	3 KS	1176	T	K7RPM	08042330 KTCA	2 MN > CN88	110'	T	VE7SKA	08161525 KZCR	MN Fergus Fall 103.3	F	WA5IYX	
07231502 KGWN	2 CO > LA	806	T	OGLETHO	08042340 KOWLU	EN13 125'	50.135	S	VE7SKA	08161528 KFWN-	ND Fargo	97.9	F	WA5IYX
07270315 KQTV	2 MO > LA	513	T	OGLETHO	08042342 KOTA	3 SD > CN88	110'	T	VE7SKA	08161529 WDAY-	6 ND Fargo	T	WA5IYX	
07270347 WTBX-	MN Hibbing	93.9	F	WA5IYX	08042349 WBUOLX	EN04>FM08	CQ 50.140	K4ZOO	08161536 KQLX-	ND Lisbon	106.1	F	WA5IYX	
07270350 WQPM-	MN Princeton	106.1	F	WA5IYX	08042359 KUSD	2 SD > CN88	115'	T	VE7SKA	08161540 KQAA	SD Aberdeen	94.9	F	WA5IYX
07270351 WEVE-	MN Eveleth	97.9	F	WA5IYX	08050007 WBUOLX	EN04 125'	50.140	S	VE7SKA	08161542 KSCR-	MN Benson	93.5	F	WA5IYX
07270359 KCSR	MN Benson	93.5	F	WA5IYX	08050010 NOPOH	DM79>D021	50.145	VE6XT	08161543 KMIT	SD Mitchell	105.9	F	WA5IYX	
07270404 KMFY	MN Grand Rapids 6.9	F	WA5IYX	08050014 KXMA	2 ND > CN88	110'	T	VE7SKA	08161559 KDLH-	3 MN Duluth	T	WA5IYX		
07270405 KRCY	MN Detroit La102.3	F	WA5IYX	08050015 KXMA	2 ND > CN88	110'	T	VE7SKA	08161629 KBME	3 ND Bismarck	T	WA5IYX		
07270409 KRAQ	MN Jackson	105.7	F	WA5IYX	08050105 WAHFG	DM98>FM29	50.134	WA3WUL	08161629 KFWN-	ND Fargo	97.9	F	WA5IYX	
07270411 KMMX	MN Cold Spring 94.9	F	WA5IYX	08050137 WOOSP	EN17>EM63	55	K4FZR	08161635 KFWN-	ND Fargo	97.9	F	WA5IYX		
07270437 KGAN	2 IA Cedar Rapids	T	WA5IYX	08050148 NDQJ	EN31>EM63	59	K4FZR	08161645 WTBX	MN Hibbing	93.9	F	WA5IYX		
07291354 KDL0	3 SD Garden City	T	WA5IYX	08050152 WOLMB	EN13>EM90	50.137	K4FZR	08161649 KMFY	MN Grand Rapids 96.9	F	WA5IYX			
07292219 KQDS-	MN Duluth	94.9	F	WA5IYX	08050159 WAHFG	JIM DM98>FN53	50.145	NIHOV	08161508 NOLL, WOTMK	>CN85 <1820	B	N7DB		
07292225 KQRS	MN Golden Vall12.5	F	WA5IYX	08050254 KCCOF	EN11>EM55	50.146	KU4AR	08161559 KJJK-	MN Fergus Fall 196.5	F	WA5IYX			
07292227 KDAL-	MN Duluth	95.7	F	WA5IYX	08050254 KCCOF	EN11>EM55	50.146	WA3WUL	08170345 KBOLHS	DM69>DN08	50.125	KK7MF		
07292228 WIRN	MN Buhl	92.5	F	WA5IYX	08050458 W0/W7XU	EN13>DM13+40	50.140	K4FZR	08170355 WOQC	DN98>EN72	50.125	N8NQS		
07292320 WEVE-	MN Eveleth	97.9	F	WA5IYX	08050612 W0/W7XU	59+40 > DM26	50.150	K4FZR	08161536 KQLX-	ND Lisbon	106.1	F	WA5IYX	
07292324 KTCO	MN Duluth	98.9	F	WA5IYX	08051514 NOLL	EM09>DN74	50.077	B	K7TNT	08161536 KQLX-	SD Aberdeen	94.9	F	WA5IYX
07300007 KTWS	3 CO > B.R. LA	945	T	KRUSZKA	08051603 WOJ1R	DM79>D021	50.065	S	VE6XT	08161540 KQAA	SD Mitchell	105.9	F	WA5IYX
07300025 KDUH	4 NE > B.R. LA	1050	T	KRUSZKA	08060129 KAOBAD	DM77 155'	50.125	VE6XT	08190124 KBME	3 MN Duluth	T	WA5IYX		
07300055 KMMX	MN Cold Spring 94.9	F	WA5IYX	08060207 W0/KX9X	DM77>CM87	50.140	K4FZR	08200011 WOOSP	KEVIN EM37	50.125	W2MM			
07300058 KDAL-	MN Duluth	95.7	F	WA5IYX	08060247 WORC	EN26>FN43	50.125	K4FZR	08200021 KOETC	EM27>FM29	50.070	B	W3WUL	
07300105 KIVV	5 SD > B.R. LA	1180	T	KRUSZKA	08060305 KOGUV	EN26>FN44	50.008	B	VE6XT	08200038 KOETC	EM27>FM19	50.070	B	K3SX
07300109 WEVE-	MN Eveleth	97.9	F	WA5IYX	08060309 KA0BAD	DM57>FN44	50.125	K4FZR	08200105 NOLL	EM09>FM19	50.077	B	K3SX	
07300129 KWGN	2 CO > CN88	120'	T	VE7SKA	08060318 NOHNM	DN06>FN44	50.130	K4FZR	08200118 W0/K5BZM	DM79>FM08	50.135	K4ZOO		
07312030 KIMT	3 IA > B.R. LA	880	T	KRUSZKA	08061839 KKMI	IA Burlington 93.5	F	WA5IYX	08200229 KQMA	2 ND > CN88	110'	T	VE7SKA	
07312036 KDLH	3 MN > B.R. LA	1080	T	KRUSZKA	08061850 KGAN	2 IA Cedar Rapids	T	WA5IYX	08200313 KTVI	2 MO	St. Louis	T	WA5IYX	
0801053 KBOJJD	DOUG DN94	50.125	N7EIJ	08062008 KIMT	3 IA Mason City	T	WA5IYX	08200324 KA0BAD	DM57>CN85	50.125	W7ESKA			
0801056 ABOHP	WAYNE EN31	50.125	N7EIJ	08062038 NOLL	EM09>FM29	50.078	B	WA3WUL	08200327 KTCA-	2 MN Minneapolis	T	WA5IYX		
0801056 W0LMB	EN10>D021	50.060	B	VE6XT	08062039 WBORMO	EN10>FM29	50.061	B	WA3WUL	08200345 WOJ1R	419 > CN85 > 0416	B	N7DB	
0801057 NOLL	EM09 125'	50.077	B	VE7SKA	08072321 W0MS	DM79>EN82	CO 50.130	K8B8U	08200348 NOIPL	>CN85	H	N7DB		
0801057 W0LMB	EM09 125'	50.065	B	VE7SKA	08072328 NOLL	EM09>FM29	50.078	B	WA3WUL	08200358 WOJ1R	DM79>EM13	50.065	B	W2W2R
0801058 KQCDN	DM79>D021	50.065	B	VE6XT	08072329 WBORMO	EN10>FM29	50.061	B	WA3WUL	08200425 NOLL	>CN85	B	N7DB	
0801058 NOLL	EM09>FN29	50.078	B	WA3WUL	08072353 KBOLW	DM79>EN79	50.125	K4FZR	08202222 WOTMK	DM59>CN88 120'	50.065	B	VE7SKA	
0801058 W0LMB	EN00>FN42	50.125	W7R	08080232 W0/K5BZM	EN18>CN84	50.125	W7EW	08202245 WOJ1R	DN78>CN80	50.125	S	VE7SKA		
0801059 W0LMB	DN94>EN89 59+	50.125	W7R	08080236 W0/K5BZM	EN18>CN84	50.125	KB6NAN	08202259 WOTMK	DM79>CN88 125'	50.125</				

50.115 SSB with FT-620B (10W) and 6el Yagi. More information can be via 9V1YJ, msksg@com.sg Tnx JA1VOK.

Alaska: Steve, VK3OT/VK3SIX, plans to be back in BP51 as KL7SIX from Sept. 21 to Dec. 21, 1998.

W1LP/mm: Clint is scheduled to leave San Francisco headed south at the end of August after making a big splash on the west coast USA from various CM6*, CM7*, CN6*, and CN7* water grids on his trip up the coast.

Beacon News

GB3BUX: 50.000 and 70.000 MHz beacons are back on the air as of July 23 after antenna repair.

OK0EK: in JN85of is on 50.012. Send reports to OK2OKM.

OX3SIX: One of the intentions of OX3LX and OX3LG this summer was to put a 100W beacon on 6m at 100m ASL. No reports of it, but see Greenland under DX Operations. Tnx SM7AED.

OZ7IGY: 50.021 is off the air due to lightning damage. #

QSL Information

ZW4SM: QSL via the Bureau or via PY4SM - P.O. Box 120, Belo Horizonte - MG, 30.123-970, Brazil

C21JH: direct to Jack Harden, Box 99, Ryde, NSW 1680, Australia.

8Q7BB: via JR2KDN (Buro or SAE+IRC or GS) Yuu Yoshida, 4th Floor Kato Bldg, 529 Rokugaike, Kita-ku, Nagoya, 462-0002 Japan

VP5KE: via N4KE.

SO5ASL: via G4ASL.

9H3AY: (Gozo Island) via G3SDG.

4L5O: via TA7A.

A Friendly DX-Window Discussion?

Sometimes discussions at these VHF get-togethers can get spirited. Here the late ZL1MQ jabs at W6JKV. The guy in the middle is W5UWB. The occasion was a SMIRK gathering at the October 1983 ARRL National Convention (Houston Astroworld Hotel). Tnx WA5IYX.

